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Commercial Feeding-Stuffs

This Publication contains a detailed report of Feed Inspection Activities in Maryland for 1926. It presents the results of the chemical and microscopical examination on 1,500 samples of feed taken by our representatives from shipments intended for livestock and poultry consumption in Maryland.

FEED INSPECTION SERVICE
Controlled by
UNIVERSITY OF MARYLAND
COLLEGE PARK, MD.

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COMMERCIAL FEEDING-STUFFS

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The inspection, analysis and control of work of the feed, fertilizer and lime trade is carried on by the State Department, but the State Department is so related to the chemical work of the University that the other men of the Chemical Staff who are mentioned below may be called on for help in time of need; and, furthermore, it is the purpose of the majority of this Chemical Staff to be carrying on some investigations which bear directly or indirectly on the properties of fertilizer, feed and lime.

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INTRODUCTION

The Feeding Stuff Law of Maryland, an act of the State Legislature of 1920, amended in 1924, requires that all commercial feeding stuffs shall be registered annually. It further requires all sacks or attached cards to show the brand name; statement for net weight, guarantees for protein, fat and fibre; statement of the composition of the feed, together with the name of the manufacturer or party responsible for the sale. It provides penalties for misbranding and adulteration and further takes care of law enforcement by means of examination of official samples and inspection of methods of sale.

During the course of the past year official representatives of this Department secured from dealers and selling agents 1501 samples of commercial feeds. These feeds were covered by approximately 1424 brands. For the purpose of discussion, these samples may be classified as follows: 836 mixed feeds; 93 cottonseed meals; 22 linseed meals; 5 beet pulps; 145 meat by-products; 43 corn by-products; 283 wheat by-products; 13 oat by-products; 24 fish meals; 9 alfalfa meals; 5 peanut meals; and 22 samples of a miscellaneous nature. All of these products were subjected to complete chemical and microscopical examination and the results compared with the guarantees of the manufacturers. Individual reports were made to the dealer, manufacturer, and when possible, to the consumer.

During the past three years, Feed Law enforcement activities in Maryland have been greatly extended and intensified, with the result that the trade has, through closer contact with our Department and its inspectors, arrived at a more thorough and sympathetic understanding of its aims and operations. The suspicion and latent enmity which our earlier efforts frequently encountered have, in the main, given way to a spirit of cordial co-operation. Our representatives are no longer looked upon as detectives or policemen, but as technical advisors who assist dealers in the legitimate selling of products and manufacturers in producing legal and, therefore, marketable Feeds. They are coming more and more to realize that the Feed Inspection Law is designed to protect not only the consumer but the honest manufacturer as well, and that its broad purpose is corrective rather than punitive.

We are, however, at all times confronted with certain individuals and companies, engaged in the manufacture of commer-

cial feeding stuffs, who are not devoting their entire efforts in producing legitimate products and honestly informing the public as to their character. This necessitates maintaining and supporting departments whose foremost duty is to protect the public from false or fraudulently branded goods, and at the same time, affording protection to the legitimate manufacturer from dishonest competition.

The following paragraphs reveal a condensed outline of feed inspection activities in Maryland for 1926.

Feed Inspection Facts

The facts revealed in the course of the feed inspection work in Maryland during 1926 have been very encouraging. Even though the numbers of feeds licensed, of samples secured by our agents, and of analyses performed by our chemists have exceeded the records of any previous year, there has been a material decrease in the number of violations involving deficiencies and variations from guaranteed composition, as well as a smaller number of prosecutions for failure to meet the requirements of the State Feed Law. In substantiation of this statement we find that during 1924, 59 violations were prosecuted in the Courts; in 1925, 32, while during 1926 only 10 cases were instigated in spite of increased sales and greater number of samples analyzed.

Credit to Mixed Feed Industry

An examination of the feeds involved in litigation reveals certain facts that reflect credit on the mixed feed industry. We have found only eight shipments of proprietary or mixed feeds that materially differed from guarantees against 44 in 1924 and 19 in 1925.

Misbranding of Concentrates

Our greatest trouble with misbranded and adulterated feeds seems to have centered around the "Concentrates," or the high protein class.

Sales of Meat By-Product Feeds have been found, whose composition did not agree with the information printed on the sacks, or the attached cards. Not only did the customary deficiencies in protein occur but certain inferior articles of questionable feeding value were found mixed with alleged meat meal. The presence of ground cocoa-shells, ground cotton-seed hulls, together with hoof and horn meal were revealed by the microscope in four shipments of Meat Meal received by Maryland feed dealers. One sample of 50 per cent. Meat Meal was found not only to be deficient in protein and fat but also to be adulterated with a large quantity of fish meal and dried apple residues. Needless to relate these products were withdrawn from the market and the parties responsible for their sale prosecuted.

For the first time in the history of feed inspection in Maryland adulteration was detected in Fish Meal. Certain shipments of this product were found to contain an admixture of apple pomace. These infractions of the law were no doubt due to an unusual condition in the fish meal industry. The Menhaden catch this year was of very good grade. This circumstanse naturally affected the finished product, raising the protein content by as much as two to five per cent. The customary guaranty of 55 per cent. protein was found too low by certain dealers, especially when cost prices were based on analyses showing 58-60 per cent. They therefore decided to cut their stocks to the level of their registered guarantees. Immediate steps were taken to eliminate such questionable practices. In justice to the large majority of manufacturers, however, it may be said that they are today furnishing fish meal under a guaranty of 55 per cent. protein which upon analysis will run 58-60 per cent.

Regarding the Cottonseed Meal Industry we are very glad to relate that of the 93 cars examined, representing shipments into Maryland this year, only four were found which materially differed from guaranteed analysis as compared with eight in 1924, and eight in 1925.

Brands Not Registered

In addition to the violations previously discussed there is another aspect of our work that cannot be viewed with unalloyed satisfaction. This is the subject of feed registrations. Our records show 228 sales of unlicensed feeds in Maryland during the past year. This Department realized the possibility of errors of ommission incidental to the shipping of feeds into many states, therefore, during the first part of the year it afforded the manufacturer of an unlicensed product an opportunity to register before proceeding against the dealer of the feed. We regretted to note, however, certain manufacturers displayed a disposition to abuse this policy of leniency by adopting the practice of applying for license only after notification from the Department that shipments had been found in violation of registration requirements. In several cases this irregularity became so flagrant that we were led to believe that some manufacturers intended to condition their compliance with the law on the ability of our sampling agents to detect them in violations. During the latter part of 1926 we were compelled to withdraw from the market many consignments found not licensed.

The Application of Science to Feeding Problems

Nowhere have the contributions of science proved more fruitful in their application to practical problems than in the realm of agriculture. The whole present system of live-stock feeding is based upon knowledge derived from innumerable, careful and arduous scientific researches, supplemented by

practical tests, and is being modified from time to time as investigators add more facts to the sum-total of nutritional knowledge.

Chemical Composition of Plants and Animals

An examination of plant and animal tissues reveals considerable similarity in their composition. Each contains carbohydrates, fats, proteins, a large percentage of water, and a small percentage of inorganic or "mineral" matter. Their feeding habits are, however, quite different. Plants are able to draw the "mineral" and nitrogenous constituents of their diet directly from the soil, but by far the greater part of their substance (aside from water) they themselves manufacture from carbon dioxide with the aid of energy derived from sunlight.

Animals are not able to so synthesize their foods but must depend upon plants or upon other animals. In any case, plants are the original manufacturers of food.

Animal Foods

The substances, then, which are found in the animal body and which must be supplied in feeds may be briefly classified as follows: Water; inorganic salts (collectively termed ash); organic matter containing nitrogen (protein); and organic matter free from nitrogen (carbohydrates and fats). Water, although essential to animal life, is so universally abundant that it is of no commercial importance and the value of feeding materials is therefore calculated upon a dry basis. Only a few plants contain these various food materials in the proper proportions for which reason mixing is practised.

Protein

Protein*, as its name signifies, is the primary essential of all living matter and is omnipresent in the actually living tissues of both plants and animals. Plants are able to store up reserves of protein, as in seeds and nuts, but animals are unable to do so.

A certain proportion of the protein supplied to an animal is devoted to the repair of used-up tissue or to the growth of new tissue; a proportion may be employed in the manufacture of various secretions, such as milk, or in carrying on the functions of reproduction. The remainder is eliminated as waste products.

It must be remembered that protein is not the name of a single chemical compound, but the general term for a class of compounds. These are differentiated by the amino-acids into which they decompose. Of the scores of amino-acids which have been isolated, at least six or seven are essential to animal nutrition. The absence of any one of these will give rise to a serious nutritional deficiency. As has been shown by scientists, the proteins of certain legume seeds are deficient, due to the lack of the amino-acid cystine. (The Proteins of peanut,

* From the Greek, "of first importance."

soybean, cottonseed and linseed meals and of milk, meat and leafy plants, such as alfalfa and clover, contain those amino-acids which are essential to proper growth.)

It is obvious, therefore, that the source of protein in a feed is equally as important as the quantity present. This point is perhaps most familiarly illustrated in the fact that rations for laying hens must contain animal proteins and such rations containing only vegetable proteins, have not been found to be satisfactory. For this and similar reasons, commercial feeding stuffs are required to bear a statement of ingredients as well as a chemical guarantee and feeders should carefully consider both when buying feeds.

Carbohydrates

The class of food compounds called carbohydrates constitutes the largest part of most feeds and includes starches, sugars, etc., (usually grouped under the term "nitrogen free Extract") and "crude fibre."

During the process of growth and ripening, the plant converts some of its starch and sugar into less digestible compounds, such as cellulose to serve as supporting tissue or what may be termed the plant skeleton. This material (crude fibre) is, with the exception of water, the least valuable constituent of a plant from the feeding standpoint, because it is so largely indigestible. The small portion which is digested is supposed to have practically the same function as starches and sugars and to equal them in value.

These compounds are highly important, for they constitute the principal sources of animal heat and energy. When the ration contains an excess of carbohydrates, some may be converted into fat and stored in the animal body.

In addition to the carbohydrates, there are small amounts of organic acids, notably those formed in fermented feeds, such as silage. While the intrinsic value of these organic acids is probably small, they may have an important indirect influence upon the value of a feed by increasing or decreasing its palatability, or through some special physiological effect.

Fats

The fats or oils from plants are very similar in composition to animal fats and their functions are ultimately the same as those of the starches and sugars, namely the formation of animal fat and the production of heat and energy.

Mineral Matter

The inorganic or "mineral" matter which appears in an ash determination, forms only a very small part of a food, yet recent investigations indicate that it is a very important part. Plants which present the larger leaf surface ordinarily contain the most mineral matter. This is probably due to the fact that

more water, carrying dissolved mineral matter, is drawn up through such a plant. In some cases it is found desirable to supplement the natural mineral content of a feed.

Calcium and phosphorous are two of the most important of the inorganic constituents of feeds. Both are widely distributed in the body and both are essential to the growth of bone. Among the commercial preparations for supplying calcium and phosphorous are steamed bone, precipitated bone, precipitated calcium carbonate, ground limestone, raw rock phosphate, raw bone, acidulated bone, lime phosphates, hydrophosphates,glycero-phosphates and lecithins.

Iodine has been discovered to be of importance in animal rations. Where it is absent, goitre, hairlessness and abortion soon make their appearance. In certain sections of the United States the production of livestock would probably have to be discontinued if iodine were not added to stock feeds. It may be supplied in the form of sodium or potassium iodide.

Another important element employed in the bodily functions is iron, which occurs chiefly in the red blood corpuscles. There has been some question as to whether the inorganic iron may be substituted for organic iron as a mineral supplement to feeds. The experiments of Dr. Geo. H. Conn as reported in "Feedstuffs" of May, 1923 would seem to indicate that it could.

In general, very few definite statements as to animal mineral requirements can be made as yet. Considerable experimental investigation is still necessary.

Vitamines

Still another class of compounds (the vitamin) is essential to animal health and their absence gives rise to a number of deficiency diseases. Generally speaking, however, they need concern the practical feeder very little for a ration properly balanced in other respects is almost certain to contain a sufficient quantity of the essential vitamins.

Facts to Consider When Buying Feeds

In considering the purchase of any feed the prospective buyer should bear in mind the fact that the composition of all feeds is dependent upon the raw material from which they are compounded and the method of manufacture. Protein and fat are particularly desirable—fibre is of lesser importance.

Cottonseed Meal. Cottonseed Meal is one of the cheapest high protein feeds and is usually, or can very often be used economically in balancing a ration. Cottonseed Meal varies in protein content, ranging from 43 down to 36 per cent. Any by-product of Cottonseed containing less than 36 per cent. protein is not classified as Cottonseed Meal. Maryland feed buyers are always able to obtain, if they so desire, 43 per cent. protein Cottonseed Meal, and a study of comparative tests indicates that this is the most economical kind to buy.

Linseed Oil Meal. Linseed Oil Meal is one of the most valuable of the high protein feeds. It is particularly valuable for its protein, laxative, and general conditioning properties. Linseed Meal made from American flaxseed is usually sold under a guaranty of 34 per cent. protein, while Linseed Meal made from Argentine flaxseed will usually analyze about 30 to 31 per cent. Linseed Oil Meal should never be confused with Screenings Oil Feed as this latter product is obtained by pressing fine flax screenings. In addition to broken flaxseeds it also contains weed seeds, fine chaff, and often varying amounts of sand. Pure Linseed Oil Meal is superior as a feedstuff to Screenings Oil Feed even though they both may contain the same amount of protein.

Peanut Meal. Peanut Meal is ground peanut oil cake that is obtained after extraction of a large part of the peanut oil, and usually is found containing from 36 per cent. upwards in protein. As a rule, the higher the protein content, the lower the fibre, and since fibre means low digestibility—the higher the protein, the higher the digestible nutrients.

Corn Gluten Meal and Feed. Corn Gluten Meal is the residue from the corn grain after removing most of the starch, the germ and the bran. It should analyze from 35 to 40 per cent. protein. Gluten Feed differs from Gluten Meal in that the mill run of corn bran has been added thereto. This reduces the protein content to 22 to 26 per cent. Both of these products find economical use in the feeding of farm animals.

Meat Meal and Meat Scraps. Meat Meal and Meat Scraps are used to supply animal protein to hogs and poultry. These products are usually purchased on their protein guarantee. In purchasing Meat Meal and Meat Scraps the Maryland feed buyer and feed dealer has been educated to expect to receive a product that has been dry rendered and one that has not been tanked.

Digester Tankage. Digester Tankage is the residue from animal tissues, exclusive of hoof, horn, etc., that is prepared for feeding purposes by tanking under live steam, and in most cases is considerably darker in color than either Meat Meal or Meat Scrap.

Wheat By-Product Feeds. Wheat By-Products Feeds constitute a very important group which the feed buyer annually purchases. No doubt as much money is spent for Wheat By-Products Feeds as is spent for Mixed Feed. Wheat Bran in Maryland is derived from a variety of wheats grown in various parts of the United States. We find the Northwestern bran made from Spring wheat and the Southwestern product produced from Winter wheat. The former makes a coarser, flakier product which seems to be popular with the trade, but it is somewhat lower in protein and higher in fibre, though slightly better in fat, than the Southwestern product. Durum Wheat Feeds contain slightly more fibre and less protein than

Spring wheat products. Standard Bran, or Bran with Mill Run of Screenings, analyzes chemically about the same as a pure product. However, this chemical examination does not take into account palitability and other qualities which will be affected by too much screenings. Since Bran is coarse in character, a good idea of its quality may be had by examination and it is usually considered desirable to buy on sample, where possible. If it is not practical to purchase Standard Bran from reputable mills or, if in doubt, purchase the pure product.

Oat Feed. Oat Feed is a by-product material obtained in the manufacture of rolled oats. It contains about five per cent. protein. Certain Maryland farmers last year fed this product and considered it comparable to Wheat Bran. Such is most assuredly not the case as Wheat Bran contains about 15 per cent. protein against five or six for Oat Feed, and four per cent. fat as against two for Oat Feed. Also, Oat Feed contains 30 per cent. crude fibre, which is not desirable, while Wheat Bran contains only 12 per cent. This product is valuable as an aid to digestion in assimilating products of a concentrated nature.

DEFINITIONS OF FEEDING STUFFS

The following Definitions of Feeds are those adopted by the Association of Feed Control Officials of the United States and are adhered to very closely by this Department in the examination of Registration Certificates and in establishing misbranded and adulterated products.

Readers of this Publication specifically interested in these Definitions are urged to retain this copy as the Department is not at present considering the annual publication of this information.

Meal is the clean, sound, ground product of the entire grain, cereal or seed which it purports to represent.

Chop is a ground or chopped feed composed of one or more different cereals or by-products thereof. If it bears a name descriptive of the kind of cereals, it must be made exclusively of the entire grains of those cereals.

Ear Corn Chops is corn and cob, chopped, without the husk, with not a greater proportion of cob than occurs in the ear corn in its natural state.

Head Chops consists of the entire head of the grain sorghums, chopped, and should bear the name of the sorghum from which it is made. This includes, among others, kaffir head chops, milo head chops, feterita head chops, and sorghum head chops.

Head Stems consists of the head of the grain sorghums, from which the grain has been removed, and should bear the name of the sorghum from which it is made.

Chopped Alfalfa is the entire alfalfa hay, chopped and not ground finely enough to become a meal. It must not contain an admixture of alfalfa straw or other foreign material.

Alfalfa Meal is the entire alfalfa hay ground and does not contain an admixture of ground alfalfa straw or other foreign materials.

ANIMAL PRODUCTS

Blood meal is ground dried blood.

Cracklings are the residue after partially extracting the fats and oils from the animal tissues. If they bear a name descriptive of their kind, composition or origin, they must correspond thereto.

Digester Tankage is the residue from animal tissues, exclusive of hoof and horn, especially prepared for feeding purposes by tanking under live steam, drying under high heat, and suitable grinding, and contains less than 10 per cent. phosphoric acid (P205).

Digester Meat and Bone Tankage is the residue from animal tissues, exclusive of hoof and horn, specially prepared for feeding purposes by tanking under live steam, drying under high heat, and suitable grinding, and contains more than 10 per cent. phosphoric acid (P205).

Meat Scrap and Meat Meal are the ground residues from animal tistues, exclusive of hoof and horn, and contains less than 10 per cent. phosphoric acid (P205). If they bear a name descriptive of their kind, composition or origin, they must correspond thereto.

Meat and Bone Scrap and Meat and Bone Meal are the ground residues from animal tissues, exclusive of hoof and horn, and contains more than 10 per cent. phosphoric acid (P205). If they bear a name descriptive of their kind, composition or origin, they must correspond thereto.

BARLEY PRODUCTS

Barley Hulls are the outer coverings of the barley.

Barley Feed is the entire by-product resulting from the manufacture of pearl barley from clean barley.

Barley Mixed Feed is the entire offal from the milling of barley flour from clean barley and is composed of barley hulls and barley middlings.

Ground Barley is the entire product obtained by grinding clean, sound barley, containing not less than 90 per cent. pure barley and not more than 10 per cent. of other grains, weed seeds and other foreign material and not more than 6 per cent. fiber. Provided that no portion of this stated 10 per cent. of other grains, weed seeds or other foreign material shall be deliberately added.

Mixed Feed Barley is the entire product obtained by grinding country run barley containing not less than 75 per cent. pure barley and not more than 25 per cent. of other grains, weed seeds and other foreign material. Provided that no portion of this stated 25 per cent. of other grains, weed seeds or foreign material shall be deliberately added. The ingredients must be stated as barley, other grains, weed seeds and other foreign material.

BREWERS' AND DISTILLERS' PRODUCTS

Brewers' Dried Grains are the properly dried residue from cereals obtained in the manufacture of beer.

Distillers' Dried Grains are the dried residue from cereals obtained in the manufacture of alcohol and distilled liquors. The product shall bear the designation indicating the cereal predominating.

Distillers' Corn Solubles, a by-product from the manufacture of alcohol from corn, is a mash liquor concentrated after the removal of the alcohol and wet grains.

Distillers' Corn and Rye Solubles, a by-product from the manufacture of alcohol from corn and rye, is a mash liquor concentrated after the removal of the alcohol and wet grains.

Distillers' Rye Solubles, a by-product from the manufacture of alcohol from rye, is a mash liquor concentrated after the removal of the alcohol and wet grains.

Malt Sprouts are the sprouts of the barley grain obtained in the malting process. Sprouts derived from any other malted cereal must be designated by the name of that cereal.

BUCKWHEAT PRODUCTS

Buckwheat Shorts or Buckwheat Middlings are that portion of the buckwheat grain immediately inside of the hull after separation from the flour.

CORN PRODUCTS

Corn Bran is the outer coating of the corn kernel.

Corn Feed Meal is the by-product obtained in the manufacture of cracked corn, with or without aspiration products added to the siftings. This name is also correctly applied to the by-product obtained in the manufacture of table meal from the whole grain by the non-degerminating process.

Corn Germ Cake is the product obtained in the manufacture of starch, glucose and other corn products and consists of the germ from which part of the corn oil has been extracted.

Corn Germ Meal is ground corn germ cake.

Grits are the hard, flinty portions of Indian corn containing no bran or germ.

Corn Gluten Meal is that part of commercial shelled corn that remains after the separation of the larger part of the starch, the germ, and the bran, by the processes employed in the manufacture of cornstarch and glucose. It may or may not contain corn solubles.

Corn Gluten Feed is that portion of commercial shelled corn that remains after the separation of the larger part of the starch and the germs by the processes employed in the manufacture of cornstarch and glucose. It may or may not contain corn solubies.

Maltose Process Corn Gluten Feed is the dried residue from degermed corn, after removal of starch in the manufacture of malt syrup.

Hominy Feed, Hominy Meal or Hominy Chop is the kiln-dried mixture of the mill-run bran coating, the mill-run germ, with or without a partial extraction of the oil and a part of the starchy portion of the white corn kernel obtained in the manufacture of hominy, hominy grits and corn meal by the degerminating process.

Yellow Hominy Feed, Yellow Hominy Meal or Yellow Hominy Chop is a kiln-dried mixture of the mill-run bran coating, the mill-run germ, with or without a partial extraction of the oil and a part of the starchy portion of the yellow corn kernel obtained in the manufacture of yellow hominy grits and yellow corn meal by the degerminating process.

Corn Oil Cake consists of the corn germ from which part of the oil has been pressed and is the product obtained in the wet milling process of manufacture of corn starch, corn syrup and other corn products.

Corn Oil Meal is ground corn oil cake.

Corn Germ Cake consists of corn germ with other parts of the corn kernel from which part of the oil has been pressed, and is the product obtained in the dry milling process of manufacture of corn meal, corn grits, hominy feed, and other corn products.

Corn Germ Meal is ground corn germ cake.

OIL CAKE

Oil Cake is the product obtained after the extraction of part of the oil by crushing, cooking and hydraulic pressure, or by crushing, heating and the use of solvents from seeds which have been screened and cleaned of weed seeds and other foreign materials by the most improved commercial processes. When used alone the term "Oil Cake" shall be understood to designate linseed cake as defined. When used to cover any other product the name of the seed from which it is obtained shall be prefixed to the words "Oil Cake."

Oil Meal or Ground Oil Cake is oil cake ground to a meal.

COTTONSEED PRODUCTS

Cottonseed Meal is a product of the cottonseed only, composed principally of the kernel with such portion of the hull as is necessary in the manufacture of oil, provided that nothing shall be recognized as cottonseed meal that does not conform to the foregoing definition and that does not contain at least 36 per cent. of protein. Cotton seed meal shall be graded and classed as follows:

1.—**Cottonseed Meal,** Prime Quality. Cottonseed meal, prime quality, must be finely ground, not necessarily bolted, of sweet odor, reasonably bright in color, yellowish, not brown or reddish, free from excessive lint,

and shall contain not less than 36 per cent. of protein. It shall be designated and sold according to its protein content. Cottonseed meal with 36 per cent. of protein shall be termed "36 per cent. Protein Cottonseed Meal, Prime Quality," and higher grades similarly designated (as "43 per cent. Protein Cottonseed Meal, Prime Quality"), etc.

2.—**Cottonseed Meal, Off Quality.** Cottonseed meal not fulfilling the above requirements as to color, odor and texture shall be graded "36 per cent. Protein Cottonseed Meal, Off Quality," and higher grades similarly designated.

Cottonseed Feed is a mixture of cottonseed meal and cottonseed hulls, containing less than 36 per cent. of protein.

Cold Pressed Cottonseed is the product obtained from the subjection of the whole undecorticated cottonseed to the cold pressure process for the extraction of oil and includes the entire cottonseed less the oil extracted.

Ground Cold Pressed Cottonseed is the product obtained by grinding cold pressed cottonseed.

LINSEED AND FLAX PRODUCTS

Linseed Cake or Meal is oil cake or meal made from flaxseed, provided that the final product shall contain less than 6 per cent. of weed seeds and other foreign materials and, provided, further that no portion of the stated 6 per cent. of weed seeds and other foreign materials shall be deliberately added.

Old Process Oil Meal, Old Process Linseed Meal is oil meal as defined or linseed meal as defined produced by crushing, cooking and hydraulic pressure.

New Process Oil Meal, New Process Linseed Meal is oil meal as defined or linseed meal as defined produced by crushing, heating and the use of solvents.

Flax Plant By-Product is that portion of the flax plant remaining after the separation of the seed, the bast fiber and a portion of the shives, and consists of flax shives, flax pods, broken and immature flax seeds, and the cortical tissues of the stem.

Ground Flaxseed or Flaxseed Meal is the product obtained by grinding flaxseed which has been screened and cleaned of weed seeds and other foreign materials by the most improved commercial processes, provided that the final product shall contain less than 4 per cent. of weed seeds and other foreign materials, and provided further that no portion of the stated 4 per cent. of weed seeds and other foreign materials shall be deliberately added.

Unscreened Flaxseed Oil Feed Cake is the product obtained by extraction of part of the oil from unscreened flaxseed by crushing, cooking and hydraulic pressure, or by crushing, heating and the use of solvents. The ingredients shall be stated as partially extracted flaxseed and foreign seeds (wheat, wild buckwheat, pigeon grass, wild mustard, etc.).

Ground Unscreened Flaxseed Oil Feed is the ground unscreened flaxseed oil feed cake.

Screenings Oil Feed is the ground product obtained after extraction of part of the oil by crushing, cooking and hydraulic pressure, or by crushing, heating and the use of solvents from the smaller imperfect grains, weed seeds and other foreign materials, having feeding value, separated in cleaning the grain. The name of the grain from which the screenings are separated shall be prefixed to "screenings oil feed."

OAT PRODUCTS

Oat Groats are the kernels of the oat.

Oat Hulls are the outer coverings of the oat.

Oat Middlings are the floury portions of the oat groat obtained in the milling of rolled oats.

Oat Shorts are the covering of the oat grain lying immediately inside the hull, being a fuzzy material carrying with it considerable portions of the fine floury part of the groat obtained in the milling of rolled oats.

Clipped Oat By-Product is the by-product obtained in the manufacture of clipped oats. It may contain the light chaffy material broken from the end of the hulls, empty hulls, light, immature oats and dust. It must not contain an excessive amount of oat hulls.

PEANUT PRODUCTS

Peanut Oil Cake is the residue after the extraction of part of the oil by pressure or solvents from peanut kernels.

Peanut Oil Meal is ground peanut oil cake.

Unhulled Peanut Oil Feed is the ground residue obtained after extraction of part of the oil from whole peanuts, and the ingredients shall be designated as **Peanut Meal and Hulls.**

RICE PRODUCTS

Rice Bran is the pericarp or bran layer of the rice, with only such quantity of hull fragments as is unavoidable in the regular milling of rice.

Rice Hulls are the outer coverings of the rice.

Rice Polish is the finely powdered material obtained in polishing the kernel.

RYE PRODUCTS

Rye bran is the coarse outer covering of the rye kernel as separated from the cleaned and scoured rye.

Rye feed, a by-product obtained in the usual process of the milling of rye flour from cleaned and scoured rye grain, consists principally of the mill-run of the outer covering of the rye grain and the germ with small quantities of flour and aleurone.

Rye red dog, a by-product obtained in the usual process of the milling of rye flour, consists principally of aleurone with small quantities of flour and fine bran particles and shall not contain more than 3.5 per cent. of fiber.

Rye low grade feed flour consists principally of dark rye flour and small quantities of aleurone and fine bran particles and shall not contain more than 1.5 per cent. crude fiber.

Rye middlings consists of the rye feed and rye red dog combined in the proportions obtained in the usual process of milling rye flour.

Rye Flour Middlings consists of the rye feed, rye red dog and pure dark rye flour combined in the proportions obtained in the milling of rye flour and shall not contain more than 5 per cent. crude fiber.

VELVET BEAN PRODUCTS

Velvet Bean Meal is ground velvet beans containing only an unavoidable trace of hulls or pods.

Ground Velvet Bean and Pod is the product derived by grinding velvet beans "in the pod." It contains no additional pods or other materials.

WHEAT PRODUCTS

Wheat Bran is the coarse outer covering of the wheat kernel as separated from cleaned and scoured wheat in the usual process of commercial milling.

Hard or Spring Wheat Products

Standard Millings consists mostly of fine particles of bran, germ and very little of the fibrous offal obtained from the "tail of the mill." This product must be obtained in the usual commercial process of milling and shall not contain more than 9.5 per cent. crude fiber.

Flour Middlings shall consist of standard middlings and red dog flour combined in the proportions obtained in the usual process of milling and shall not contain more than 6.0 per cent. crude fiber.

Wheat Red Dog, a by-product obtained in the usual commercial process of flour milling, consists principally of aleurone with small quantities of flour and fine bran particles and shall not contain more than 4.0 per cent. crude fiber.

Wheat Low Grade Feed Flour, a by-product obtained in the usual commercial process of flour milling, consists principally of flour with small quantities of aleurone and fine bran particles and shall not contain more than 1.5 per cent. crude fiber.

Wheat Bran and Standard Middlings consists of the two commodities as defined above, mixed in the proportions obtained in the usual process of commercial milling.

Soft or Winter Wheat Products

Brown Shorts (Red Shorts) consists mostly of the fine particles of bran, germ and very little of the fibrous offal obtained from the "tail of the mill." This product must be obtained in the usual commercial process of milling and shall not contain more than 7.5 per cent. crude fiber.

Gray Shorts (Gray Middlings or Total Shorts) consists of the fine particles of the outer bran, the inner bran or bee-wing bran, the germ and the offal or fibrous materials obtained from the "tail of the mill." This product must be obtained in the usual process of commercial milling and shall not contain more than 6.0 per cent. crude fiber.

White Shorts or White Middlings consists of a small portion of the fine bran particles and the germ and a large portion of the fibrous offal obtained from the "tail of the mill." This product must be obtained in the usual process of flour milling and shall not contain more than 3.5 per cent. crude fiber.

Wheat Mixed Feed (Mill Run Wheat Feed) consists of pure wheat bran and the gray or total shorts or flour middlings combined in the proportions obtained in the usual process of commercial millings. Hard Wheat Mixed Feed shall not contain more than 9.5 per cent. crude fiber. Soft Wheat Mixed Feed shall not contain more than 8.5 per cent. crude fiber.

Screenings consist of the smaller imperfect grains, weed seeds, and other foreign materials, having feeding value, separated in cleaning the grain.

Scourings consists of such portions of the cuticle, brush, white caps, dust, smut and other materials as are separated from the grain in the usual commercial process of scouring.

(Note) If to any of the wheat or rye by-product feeds there should be added screenings or scourings—as above defined, either ground or unground, bolted or unbolted, such brand shall be so registered, labeled and sold as clearly to indicate this fact. The word "Screenings" or "Scourings" as the case may be, shall appear as a part of the name or brand and shall be printed in the same size and face of type as the remainder of the brand name. When the word "Screenings" appears it is not necessary to show also on the labeling the word "Scourings."

MISCELLANEOUS PRODUCTS

Dried Beet Pulp is the dried residue from sugar beets which have been cleaned and freed from crowns, leaves and sand, and which have been extracted in the process of manufacturing sugar.

Dried Buttermilk Feed is the product resulting from the removal of water from clean, sound buttermilk derived from natural cream to which no foreign substances have been added, excepting such as are necessary and permitted in the manufacture of butter. It contains, all tolerances being allowed for, not more than eight per cent. (8.0%) of moisture and not more than thirteen per cent. (13.0%) of mineral matter (Ash).

Cocoanut Oil Meal or "Copra Oil Meal" is the ground residue from the extraction of part of the oil from the dried meat of the cocoanut.

Fish Meal is the clean, dried ground tissues of undecomposed fish, with or without the extraction of part of the oil.

Fish Residue Meal is the clean undecomposed residue from the manufacture of glue or other fishery products from non-oily fish.

Ivory Nut Meal is the ground waste material resulting from the manufacture of buttons and similar articles from the vegetable ivory nut.

Processed Garbage is composed of garbage collected sufficiently often so that harmful decomposition has not set in; screened, dried and separated from metal, crockery, glass and similar material. Its odor must not be suggestive of pronounced decomposition and it must contain less than 1 per cent. of glass in fine pieces, none of which shows knife-like or needle-like particles. Provided further that the maximum percentage of glass be stated on the label.

Palm Kernel Oil Meal is the ground residue from the extraction of part of the oil by pressure or solvents from the kernel of the fruit of Elaeis guineensis or Elaeis malanococca

Yeast or Vinegar Dried Grains are the properly dried residue from the mixture of cereals, malt and malt sprouts (sometimes cottonseed meal) obtained in the manufacture of yeast or vinegar, and consists of corn or corn and rye from which most of the starch has been extracted, together with malt added during the manufacturing process to change the starch to sugars, and malt sprouts (sometimes cottonseed meal) added during the manufacturing process to aid in filtering the residue from the wort and serve as a source of food supply for the yeast.

TENTATIVE DEFINITIONS

† **Evaporated Buttermilk Feed, Concentrated Buttermilk Feed, Condensed Buttermilk Feed,** is the product resulting from the removal of a considerable portion of water from clean, sound buttermilk derived from natural cream to which no foreign substances have been added excepting such as are permitted and necessary in the manufacture of butter. It contains, all tolerances being allowed for, not less than thirty per cent. (30.0%) of total solids and not more than four per cent. (4.0%) of mineral matter (Ash).

† **Blood Meal** is ground dried blood.

† **Meat Meal** is ground dried residue, after partially extracting the fats and oils from animal tissues, exclusive of hoof, horn, manure, and stomach contents. It must not contain more than 10 per cent. phosphoric acid (P_2O_5). This definition applies to both dry rendered and tanked products. When this name is used the list of ingredients on the bag or tag must contain the words "tankage" or "cracklings" or both, as the case may be. If this product contains more than 10 per cent. phosphoric acid (P_2O_5) it shall be designated "Meat and Bone Meal."

† **Meat Scrap** is ground and screened Cracklings or Meat Meal. It shall

† Final action to be taken at next annual meeting.

not contain more than 10 per cent. of phosphoric acid (P_2O_5). If the product contains more than 10 per cent. phosphoric acid (P_2O_5) it shall be designated "Meat and Bone Scrap."

† **Cracklings** is the residue after partially extracting the fat and oils from animal tissues, exclusive of hoof, horn, manure and stomach contents, by an open kettle or by dry rendering process.

† **Digester Tankage** is the residue from Animal tissues, exclusive of hoof, horn, manure, and stomach contents, especially prepared for feeding purposes, by tanking under live steam, and by suitable drying and grinding. It shall not contain more than 10 per cent. of phosphoric acid (P_2O_5). If this product contains more than 10 per cent. phosphoric acid (P_2O_5) it shall be designated "Meat and Bone Digester Tankage."

RESOLUTIONS ADOPTED

Resolved that it is the sense of this Association that we understand the term "Nitrogen Free Extract" to cover the product indicated by the percentage obtained by subtracting from 100 per cent. the sum of the percentages of Ash, Moisture, Protein, Fat and Fiber.

Resolved that the term "Carbohydrate" be interpreted to cover the product indicated by the percentage obtained by the addition of the percentages of crude fiber and nitrogen free extract.

Resolved that it is the sense of this Association that a ton of feed be 2,000 pounds, net.

Resolved that this Association go on record as opposing the use of second hand bags unless they are turned wrong side out so that the original stenciling will not be displayed.

Resolved that the Association go on record to the effect that the term cracked corn does not apply to degermed cracked corn.

Resolved that this Association go on record as condemning the practice of packing feeding stuffs in bags containing 99 pounds net and billing and charging for the same 100 pounds net.

Whereas, Linseed Oil Meal is sold more or less on the basis of the protein content, as in the case of cottonseed meal, therefore,

Be It Resolved, that the percentage of protein should be prefixed to linseed cake or meal, as is done with cottonseed meal; for example 34 per cent. Protein Linseed Meal.

† Final action to be taken at next annual meeting.

TABLES

The following pages contain a detailed report of the results obtained in the inspection of feeds from January 1, 1926, to January 1, 1927. Feeds are considered seriously deficient as regards chemical analysis when they are either one per cent. or more deficient in crude protein, or one-half of one per cent. deficient in crude fat. Consumers and dealers are advised to study carefully this table, and represent companies who comply with the law.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND
Acme-Evans Co., Indianapolis, Ind.								
Dairy Feed	Oakland	10.00	24.00	**25.45**	5.00	**5.17**	10.00	**9.42**
Producer Chop Feed	Oakland	8.80	8.00	**8.58**	2.00	**1.85**	12.00	**22.38**
Agricultural Corporation of Maryland, Baltimore, Md.								
*Md. Chick Scratch Grains	Baltimore	12.20	10.00	**11.93**	3.00	**2.30**	4.00	**1.40**
Md. Chick Scratch Grains	Baltimore	12.25	10.00	**11.32**	3.00	**2.65**	4.00	**1.78**
Md. Baby Chick Starter	Baltimore	11.25	12.00	**14.39**	4.00	**3.52**	5.00	**5.27**
Md. Baby Chick Starter	Baltimore	11.90	12.00	**13.87**	4.00	**5.58**	5.00	**5.15**
Md. Closed Formula 20%	Walkersville	12.58	20.00	**19.92**	4.00	**4.10**	10.50	**12.15**
Md. College Favorite Mash No. 2	Baltimore	11.28	20.00	**19.92**	4.50	**6.03**	7.00	**6.28**
Md. Flexible Formula 32%	Frederick	8.54	32.00	**31.90**	4.50	**5.03**	9.00	**7.22**
Md. Flexible Formula 24%	Walkersville	7.57	24.00	**25.24**	4.00	**4.61**	9.00	**8.60**
Md. Flexible Formula 24%	Frederick	9.75	24.00	**24.48**	4.00	**4.14**	9.00	**6.74**
*Md. Intermediate Scratch Grains	Baltimore	12.07	10.00	**10.71**	3.00	**2.40**	4.00	**2.05**
Md. Laying Mash No. 1	Baltimore	11.15	20.00	**20.88**	3.50	**5.58**	7.00	**7.13**
Md. Laying Mash No. 1	Frederick	10.45	20.00	**20.88**	3.50	**4.53**	7.00	**6.45**
Md. Money Maker 20% Dairy Ration	Frederick	9.12	20.00	**22.98**	4.50	**4.99**	9.00	**7.74**
*Md. More Milk 24% Dairy Ration	Walkersville	11.30	24.00	**23.39**	5.00	**4.49**	9.00	**9.90**
Md. Hog Meal Supplement 28%	Baltimore	10.05	28.00	**29.93**	4.50	**5.55**	8.00	**6.03**
Md. Hog Meal Supplement 28%	Baltimore	10.03	28.00	**28.61**	4.50	**5.30**	8.00	**7.23**
Md. Hen Scratch Grains	Baltimore	11.75	10.00	**10.79**	3.00	**3.05**	5.00	**3.05**
Md. Special 32%	Frederick	9.30	32.00	**33.96**	5.00	**5.23**	9.00	**9.00**
Md. Special 32%	Walkersville	10.10	32.00	**32.73**	5.00	**5.60**	9.00	**6.95**
Md. Special 32%	Westminster	9.98	32.00	**35.05**	5.00	**6.50**	9.00	**7.18**
Md. Special 32%	Westminster	10.23	32.00	**34.22**	5.00	**5.65**	9.00	**8.33**
Md. Special 32%	Woodbine	9.95	32.00	**33.87**	5.00	**5.48**	9.00	**7.90**
Akron Feed & Milling Co., Akron, Ohio.								
Ohio Chop Feed	Friendsville	8.60	6.00	**7.02**	2.00	**2.10**	12.00	**18.10**
Ohio Dairy Feed	Friendsville	8.42	16.50	**16.42**	3.50	**5.41**	15.00	**12.50**
Ohio Laying Mash	Friendsville	10.85	20.00	**19.92**	4.00	**4.87**	10.00	**6.30**
Ohio Scratch Feed N. G	Friendsville	10.65	8.00	**9.65**	2.50	**3.68**	5.00	**2.50**
Portage Chick Feed	Friendsville	12.00	9.00	**9.92**	3.00	**2.85**	5.00	**1.23**
Albert Lea Milling Co., Inc., Albert Lea, Minn.								
Pure Wheat Bran	Grantsville	8.77	14.50	**14.65**	3.50	**5.27**	12.00	**11.27**

* Means deficient in protein or fat.

Ash	Nitrogen Free Extract	INGREDIENTS — GUARANTEED	IDENTIFIED
5.58	44.38	Linseed oil meal, hominy feed, corn gluten feed, wheat bran, homlik, corn feed, wheat middlings, cottonseed meal, dried brewers' grains, salt	As certified
5.91	52.48	Corn feed meal, hominy feed, oat feed, oat hulls, oat middlings, salt	As certified
1.40	70.77	Cracked corn, cracked milo maize, cracked wheat, steelcut oat groats. Ingredients differ from license	As certified
1.70	70.30	Fine cracked corn, cracked milo-kaffir, cracked wheat, steelcut oat groats	See below (A)
4.94	60.63	Dried buttermilk, oat flour, wheat flour middlings, yellow corn meal, steamed bone meal	As certified.
4.30	59.20	Same as above	As certified
7.30	43.95	Prime cottonseed meal, corn gluten meal, wheat bran, ground wheat screenings, clipped oat by-product, cane molasses, CaC03. salt	See below (B)
7.90	48.59	Meat scrap, oat flour, wheat flour middlings, wheat standard bran, corn meal, salt	As certified
7.40	39.91	Corn distillers' dried grains, corn gluten meal, linseed oil meal O. P., soy bean meal, hominy feed, cane molasses, steamed bone meal, calcium carbonate, salt, cottonseed meal	As certified
9.03	44.95	Corn gluten feed, corn gluten meal, cottonseed meal, linseed oil meal O. P., wheat standard middlings, wheat standard bran, hominy feed, ground oats, molasses cane, steamed bone meal, calcium carbonate, salt	As certified
7.75	47.14	Same as above	As certified
1.35	71.42	Cracked corn medium, milo-kaffir, wheat, clipped oats heavy	As certified
7.60	47.66	Meat scraps, 55%; wheat flour middlings, corn gluten feed, oat flour, corn meal, standard wheat bran, salt	As certified
7.60	50.09	Same as above	See below (C)
7.92	47.25	Corn gluten feed, wheat standard bran, yellow hominy feed, ground oats, cane molasses, cottonseed meal prime, peanut meal prime, corn distiller's grains, linseed oil meal O. P., bone meal steamed, salt, calcium carbonate	See below (D)
7.70	43.22	Corn gluten feed, cottonseed meal prime, linseed oil meal O. P., corn distiller's grains, wheat middlings, wheat standard bran, yellow hominy feed, peanut meal prime, ground oats, molasses cane, bone meal steamed; CaCO3, salt	As certified
12.50	35.94	Digester tankage, peanut oil meal, linseed oil meal, oat flour, alfalfa meal, wheat flour middlings, bone meal, CaCO3, salt. Ingredients differ from license	As certified
10.00	38.83	Same as above	As certified
1.60	69.76	Cracked corn, milo-kaffir, wheat, barley, clipped oats, buckwheat	As certified
7.65	34.86	Cottonseed meal, O. P. linseed oil meal prime, corn gluten meal, wheat standard bran, corn distiller's grains, soy bean meal, peanut meal, molasses, bone meal, CaCO3, salt	As certified
7.30	37.32	Same as above	See below (D)
6.95	34.34	Same as above	See below (E)
7.70	33.87	Same as above	See below (E)
6.80	36.00	Same as above	See below (E)
			See below (E)
5.45	58.73	Made from either white or yellow shelled corn, oat hulls, oat shorts, oat middlings ½ of 1% salt	As certified
6.55	50.70	Ground grain screenings, wheat bran, wheat middlings, corn gluten, cottonseed meal, oil meal, corn, cane molasses, calcium carbonate, salt	As certified
5.92	52.14	Wheat middlings, ground oats, wheat bran, alfalfa meal, corn gluten feed, linseed oil meal, hominy feed, granulated meat meal, of ½1% calcium carbonate, salt	As certified
1.45	72.07	Corn, barley, wheat, buckwheat, sunflower	As certified
1.30	72.70	Cracked corn, cracked wheat, oat groats and millet	See below (F)
7.46	52.58		As certified

(A) Also detected screenings (wild buckwheat, flaxseed, oats and chaff).
(B) Unable to detect wheat bran; also detected corn distillers grains.
(C) Also detected linseed meal and weed seed.
(D) Also detected grain screenings (weed seed, etc.).
(E) Salt exceeds normal amount.
(F) Unable to detect millet.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Albert Lea Milling Co., Inc., Albert Lea, Minn.,—Cont.										
Red Dog Flour	Grantsville	11.22	16.00	**16.67**	4.00	**4.30**	4.00	**2.30**	3.64	61
Wheat Flour Middlings, with Ground Screenings N. Ex. M. R.	Grantsville	10.22	16.00	**17.29**	4.00	**5.25**	6.00	**6.47**	4.24	56
E. T. Allen Co., Atlanta, Ga.										
Empire H. G. cotton Seed Meal	Westminster	7.87	41.00	**40.59**	6.00	**7.17**	10.00	**8.17**	7.22	28
Empire H. G. Cotton Seed Meal	Maugansville	8.30	41.00	**42.56**	6.00	**6.35**	10.00	**10.40**	5.78	26
Atlas Standard Cotton Seed Meal	Medford	9.10	36.00	**36.51**	5.50	**5.05**	14.00	**15.17**	5.31	28
Atlas Standard Cotton Seed Meal	Westminster	6.37	**36.00**	**36.15**	5.50	**7.12**	14.00	**12.70**	5.84	31
G. A. Allender, Elkton, Md.										
Dandy 18 Dairy Feed	Elkton	10.57	18.00	**18.16**	3.50	**3.62**	14.00	**12.67**	6.14	48
Dandy 18 Dairy Feed	Elkton	10.15	18.00	**19.13**	3.50	**3.92**	14.00	**11.82**	6.90	48
Dandy 18 Dairy Feed	Elkton	8.73	18.00	**19.04**	3.50	**4.53**	14.00	**12.73**	5.90	49
Dandy 24 Dairy Feed	Elkton	11.30	24.00	**24.75**	4.00	**3.51**	9.00	**7.67**	6.15	46
Dandy 24 Dairy Feed	Elkton	9.00	24.00	**24.75**	4.00	**5.25**	9.00	**8.00**	4.70	48
Dandy Laying Mash	Elkton	11.80	20.00	**20.53**	4.50	**4.05**	9.00	**8.27**	9.42	45
Dandy Laying Mash	Elkton	8.90	20.00	**22.25**	4.50	**4.78**	9.00	**8.48**	10.50	45
Dandy Laying Mash	Elkton	10.72	20.00	**22.91**	4.50	**3.85**	9.00	**7.90**	7.20	47
Pure Wheat Bran	Elkton	8.25	14.00	**14.13**	4.00	**3.63**	10.00	**8.90**	5.61	59
Pure Wheat Middlings	Elkton	10.93	15.00	**14.57**	4.00	**3.65**	6.00	**4.22**	3.05	63
Allen & Wheeler Co., Troy, Ohio.										
Trojan Mixed Feed, with Ground Screenings N. Ex. M. R.	Cumberland	11.50	15.50	**16.58**	4.00	**4.50**	9.00	**6.45**	4.60	56
American Agricultural Chemical Co., New York, N. Y.										
Capital Meat and Bone Scrap	Friendsville	7.65	45.00	**46.07**	6.00	**11.32**	3.00	**2.77**	30.53	1
Protox Meat and Bone Scrap	Baltimore	7.45	55.00	**57.30**	6.00	**9.45**	3.00	**2.95**	22.00	
American Linseed Co., New York, N. Y.										
Alinco Old Process Linseed Meal	New Windsor	8.78	34.00	**35.10**	6.00	**7.25**	9.00	**8.58**	5.40	34
Alinco Old Process Linseed Meal	Hampstead	9.65	34.00	**33.57**	5.00	**7.35**	8.00	**8.80**	4.60	36
American Maize-Products Co., New York, N. Y.										
Cream of Corn Gluten Feed	Oakland	10.05	23.00	**24.66**	2.00	**3.75**	8.50	**7.77**	3.35	50
Cream of Corn Gluten Feed	Cumberland	8.65	23.00	**25.89**	2.00	**3.40**	8.50	**7.70**	4.19	50
Cream of Corn Gluten Feed	Hurlock	8.55	23.00	**24.75**	2.00	**3.42**	8.50	**8.57**	3.70	51
American Milling Co., Peoria, Ill.										
Dairy Ration	Cumberland	9.02	24.00	**24.15**	4.50	**4.55**	10.00	**8.32**	8.24	45
Kick-A-Poo Horse Feed	Cumberland	10.90	10.00	**11.47**	2.50	**3.36**	10.00	**7.78**	4.96	61
Sucrene Calf Meal	Cumberland	9.78	20.00	**21.32**	4.00	**4.05**	5.00	**5.10**	4.10	55
Sucrene Hog Meal	Cumberland	8.60	18.00	**19.46**	4.00	**4.78**	5.00	**4.68**	6.20	56
*Tip Top Chick Feed	Cumberland	10.78	10.00	**8.95**	2.50	**2.13**	5.00	**1.53**	1.00	75

*Means deficient in protein or fat.

Ash	Nitrogen Free Extract	INGREDIENTS — GUARANTEED	IDENTIFIED
3.64	61.87		As certified
4.24	56.53		As certified
7.22	28.98		As certified
5.78	26.61		As certified
5.31	28.86		As certified
5.84	31.82		As certified
6.14	48.84	Wheat bran, wheat middlings, reground oat feed (oat middlings, oat shorts, oat hulls), cotton seed meal, linseed meal, reground wheat screenings, gluten feed, corn feed meal, ½ % calcium carbonate, ½ % salt	As certified
6.90	48.08	Same as above	As certified
5.90	49.07	Same as above	As certified
6.15	46.62	Wheat bran, wheat middlings, gluten feed, O. P. linseed oil meal, gluten meal, cotton seed meal, hominy feed, feed meal, brewers grains, ½% calcium carbonate, ½% salt	As certified
4.70	48.30	Same as above	As certified
9.42	45.93	Wheat bran, wheat middlings, 20% buttermilk, meat and fish scrap, gluten feed, corn feed meal, alfalfa meal, O.P., linseed oil meal, ½% salt	As certified
10.50	45.09	Same as above	As certified
7.20	47.42	Same as above	As certified
5.61	59.48		As certified
3.05	63.58		As certified
4.60	56.37		As certified
30.53	1.66		As certified
22.00	.85		As certified
5.40	34.89		As certified
4.60	36.03		As certified
3.35	50.42		As certified
4.19	50.17		As certified
3.70	51.01		As certified
8.24	45.72	Corn distillers' grains, cotton seed meal, linseed oil meal, corn gluten feed, peanut oil meal, beet pulp, wheat standard middlings, wheat standard bran, corn feed meal, steamed bone meal, calcium carbonate	As certified
4.96	61.53	Cracked corn, crimped oats and barley, alfalfa meal, molasses, salt	See below (A)
4.10	55.65	Dried buttermilk, blood flour, O. P. linseed oil meal, corn feed meal, malt flour, flour middlings, soluble starch and 1% bone meal	See below (B)
6.20	56.28	Digester tankage, linseed oil meal, oat middlings, wheat flour middlings, peanut oil meal, corn feed meal, fine alfalfa meal, cane molasses, 1% salt, 1% $CaCO_3$	As certified
1.00	75.61	Cracked wheat, cracked corn, cracked kaffir, milo, millet, pigeon seed, wild buckwheat. Ingredients differ from license	See below (C)

(A) Unable to detect barley.
(B) Also detected ground oats.
(C) Unable to detect cracked wheat, millet or wild buckwheat.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND
Anderson Grain & Feed Co., York, Penna.								
Baby Chick Starting Feed	Baltimore	11.18	12.00	**13.95**	4.00	**5.45**	5.00	**3.58**
Chick Feed	Baltimore	14.13	10.00	**11.23**	3.00	**5.13**	5.00	**2.08**
Corn Feed Meal	Baltimore	13.18	8.00	**10.53**	3.00	**7.64**	8.00	**5.00**
Dairy Feed 24%	Manchester	10.62	24.00	**25.27**	4.00	**5.10**	10.00	**8.42**
Dairy Feed 22%	Parkton	10.82	22.00	**24.92**	4.50	**4.12**	12.00	**10.32**
Dairy Feed 20%	Parkton	9.15	20.00	**21.50**	3.00	**5.90**	12.00	**13.48**
Growing Mash, with Dried Buttermilk	Baltimore	11.40	16.00	**17.55**	4.00	**5.58**	6.00	**3.25**
*Hog Meal	Parkton	12.07	16.00	**18.83**	4.00	**3.46**	6.00	**5.70**
Laying Mash, with Dried Buttermilk	Baltimore	10.63	20.00	**21.06**	5.00	**5.88**	9.00	**6.95**
Scratch Feed	Baltimore	12.80	9.00	**10.09**	3.00	**3.25**	5.00	**2.70**
White Rose Scratch Feed	Baltimore	11.72	9.00	**9.56**	3.00	**3.12**	4.00	**2.39**
Anglehurst Poultry Farm, Catonsville, Md.								
"Eggs Galore" Sweet Milk Laying Mash	Catonsville	8.35	20.00	**19.97**	5.00	**5.30**	7.00	**8.90**
"Eggs Galore" Scratch Grains	Catonsville	10.02	10.00	**10.97**	3.50	**3.07**	3.50	**3.35**
Anheuser-Busch, Inc., St. Louis, Mo.								
Corn Gluten Feed	Baltimore	5.70	23.00	**27.34**	2.00	**1.75**	8.50	**8.50**
Arcady Farms Milling Co., Chicago, Ill.								
Arcady Chick Grains	Salisbury	11.42	10.00	**10.18**	2.50	**2.75**	5.00	**1.85**
*Arcady Dairy Feed 16	Thurmont	11.80	16.00	**14.62**	4.00	**5.37**	12.00	**13.62**
Arcady Dairy Feed 32	Forest Hill	8.21	32.00	**32.09**	5.50	**5.69**	9.00	**9.40**
Arcady Dairy Feed 32	Mt. Airy	8.60	32.00	**31.42**	5.50	**6.03**	9.00	**7.60**
Arcady Dairy Feed 32	Forest Hill	8.60	32.00	**33.32**	5.50	**6.11**	9.00	**9.89**
Arcady Hog Meal	Salisbury	10.32	15.00	**16.15**	3.50	**4.62**	7.00	**9.75**
Arcady Scratch Grains	New Windsor	10.83	10.00	**10.18**	2.50	**3.38**	5.00	**3.15**
Arcady Scratch Grains	Thurmont	11.13	10.00	**10.18**	2.50	**3.43**	5.00	**3.15**
Atlantic Corn Feed Meal	Lutherville	12.77	8.50	**8.60**	3.00	**2.95**	8.00	**3.25**
Besbet Growing Mash	Salisbury	9.65	16.00	**16.32**	4.00	**4.70**	10.00	**9.17**

* Means deficient in protein or fat.

Ash	Nitrogen Free Extract	INGREDIENTS — GUARANTEED	IDENTIFIED
8.80	57.04	Dried buttermilk, oat meal, wheat middlings, meat meal,bone meal, bone charcoal, CaCO3, calcium phosphate, corn meal	As certified
1.80	65.63	Cracked corn, cracked wheat, cracked kaffir corn, hulled oats, millet	As certified
2.15	61.50		As certified
5.91	44.68	Wheat bran, wheat middlings, cotton seed meal, linseed oil meal, corn gluten feed, hominy feed, ¼ of 1% salt	As certified
5.40	44.42	Wheat bran, wheat middlings, cotton seed meal, O. P. oil meal, corn gluten feed, dried beet pulp, ¾ % salt	As certified
5.85	44.12	Wheat bran, wheat middlings, cotton seed meal, O. P. linseed oil meal, corn gluten feed, reground grain screenings, oat feed, (oat hulls, oat middlings, oat shorts), ¾ % salt	As certified
10.40	51.82	Ground oat meal, wheat middlings,corn meal, H. G. meat scrap, dried buttermilk, charcoal. Ingredients differ from license	See below (A)
7.75	52.19	Corn meal, hominy feed, wheat middlings, gluten feed, fish meal, tankage, O. P. linseed oil meal, alfalfa meal,bone charcoal, CaCO3,calcium phosphate, ¾% salt. Ingredients differ from license	As certified
11.00	44.48	Corn meal, whole ground oats, wheat bran, wheat middlings, gluten feed, H. G. meat scraps, O. P. linseed oil meal, dried buttermilk, bone charcoal, calcium carbonate, calcium phosphate, ¾ of 1% salt	As certified
1.40	69.76	Cracked corn, wheat, buckwheat, kaffir corn, barley, recleaned grain screenings from wheat. Ingredients differ from license	As certified
1.06	72.15	Cracked corn, wheat, buckwheat, kaffir corn, barley, recleaned grain screenings from wheat	As certified
13.00	44.48	White wheat middlings, brown wheat middlings, ground corn, ground oats, wheat bran, beef scrap, fish meal, ground bone, contains chloride of soda, vegetable carbon, alfalfa. Ingredients differ from license	As certified
2.24	70.35	Corn, wheat and oats	As certified
3.75	52.96		As certified
1.19	72.61	Cracked wheat, cracked corn, cracked kaffir corn or cracked milo maize, oat groats, millet seed	See below (B)
8.05	46.54	Wheat bran, old process linseed oil meal, corn gluten feed, cleaned ground wheat screenings, ground clipped oat by-product, molasses, cotton seed meal,½ of 1% salt. Ingredients differ from license	See below (C)
7.01	37.60	O. P. linseed oil meal, corn gluten meal, cotton seed meal, brewers grains, corn gluten feed, wheat bran, calcium carbonate, 1% salt, cane molasses	As certified
7.07	39.28	Same as above	As certified
5.66	36.42	Same as above	As certified
8.30	50.86	O. P. linseed oil meal, corn oil cake meal, corn feed meal, alfalfa meal, wheat middlings, bone meal, molasses, cleaned ground wheat screenings, tankage, CaCO3, Ingredients differ from license	See below (D)
1.60	70.86	Wheat, cracked corn, kaffir corn or milo maize, barley, oats, buckwheat, sunflower seed	As certified
1.50	70.61	Same as above	As certified
1.52	70.91		As certified
5.40	54.76	Meat scraps, dried buttermilk, O. P. linseed oil meal, corn gluten feed, corn feed meal, wheat bran, wheat middlings, alfalfa meal, bone meal, CaCO3 from limestone, ½ % salt. Ingredients differ from license	As certified

(A) Also detected trace of alfalfa meal and salt.
(B) Detected both kaffir corn and milo maize.
(C) Also detected viable weed seeds.
(D) Also detected corn gluten meal and wheat bran.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Arcady Farms Milling Co., Chicago, Ill.,	**—Cont.**									
Besbet Laying Mash	Lutherville	9.62	20.00	**20.01**	4.00	**4.80**	9.00	**6.72**	10.60	48.
Besbet Laying Mash	Lutherville	10.52	20.00	**20.45**	4.00	**4.15**	9.00	**6.52**	12.73	45.
Cloverleaf Horse Feed	Salisbury	11.50	10.00	**11.06**	2.00	**3.35**	12.00	**8.55**	4.78	60.
Cloverdale Horse Feed	Salisbury	10.25	9.00	**11.12**	2.50	**3.16**	11.00	**8.80**	4.11	62.
*Milkers Ready Ration	Cockeysville	9.15	22.00	**20.45**	4.00	**5.25**	11.00	**13.88**	8.50	42.
Peerless Milk Ration	Forest Hill	9.30	20.00	**19.79**	4.00	**5.35**	12.00	**13.60**	8.65	43.
Provo 16 Dairy Feed	New Windsor	10.88	16.00	**18.91**	3.50	**4.68**	12.00	**13.50**	8.40	43.
Sweet 16 Dairy Feed	New Windsor	10.63	16.00	**17.72**	4.00	**4.73**	12.00	**13.13**	7.95	45.
Wonder Chick Grains	Lutherville	11.37	10.00	**10.09**	2.50	**2.75**	5.00	**1.80**	1.65	72.
Wonder Chick Grains	Thurmont	10.90	10.00	**10.35**	2.50	**2.60**	5.00	**1.90**	1.40	72.
Wonder Dairy Ration	Lutherville	10.15	24.00	**24.39**	5.00	**5.20**	10.00	**9.35**	7.80	43.
Wonder Dairy Ration	Lutherville	9.02	24.00	**25.89**	5.00	**5.15**	10.00	**8.10**	7.07	44.
Wonder Growing Mash	Lutherville	10.00	16.00	**15.14**	4.00	**4.80**	7.00	**8.22**	6.25	55.
Wonder Growing Mash	Salisbury	11.08	16.00	**15.93**	4.00	**4.60**	7.00	**9.41**	6.10	52.
Wonder Laying Mash	Lutherville	8.55	20.00	**21.59**	4.50	**4.95**	8.00	**7.65**	11.16	46.
Wonder Scratch Grains	Lutherville	11.10	10.00	**10.35**	2.50	**2.52**	5.00	**2.50**	2.29	71.
Wonder Scratch Grains	Lutherville	11.47	10.00	**10.97**	2.50	**3.47**	5.00	**2.90**	1.90	69.
Wonder Starting Mash	Thurmont	9.55	13.00	**15.36**	3.50	**4.63**	5.00	**4.78**	7.40	58.
Wonder Starting Mash	Salisbury	9.32	13.00	**14.57**	3.50	**4.22**	5.00	**4.60**	7.65	59.
Wonder Horse and Mule Feed	Lutherville	10.03	10.50	**11.22**	3.00	**3.80**	10.00	**8.57**	3.74	62.
Archer-Daniels-Midland Co., Minneapolis, Minn.										
Pure Old Process Linseed Meal	Middleburg	10.55	32.00	**32.73**	5.00	**4.97**	9.00	**7.92**	6.32	37.
Pure Old Process Linseed Meal	Baltimore	9.10	32.00	**33.70**	5.00	**4.97**	9.00	**8.65**	5.81	37.
Pure Old Process Linseed Meal	Westminster	8.80	34.00	**37.65**	5.00	**5.20**	9.00	**8.10**	5.35	34.
Ashcraft Wilkinson Co., Atlanta Ga.										
Helmet Brand Prime Cotton Seed Meal	Hagerstown	7.90	41.00	**43.00**	6.00	**9.55**	10.00	**11.77**	6.84	20.
Helmet Brand Prime Cotton Seed Meal	Rockville	7.30	41.00	**40.89**	6.00	**9.82**	10.00	**9.25**	6.25	26.

* Means deficient in protein or fat.

(A)
(B)
(C)
(D)

Ash	Nitrogen Free Extract	INGREDIENTS — GUARANTEED	IDENTIFIED
10.60	48.25	Meat scraps, dried buttermilk, oat meal, corn feed meal, corn gluten feed, alfalfa meal, O. P. linseed oil meal, wheat bran, wheat middlings, bone meal, CaCO3, ½ % salt.	As certified
12.73	45.63	Meat scraps, corn feed meal, corn gluten feed, alfalfa meal, O. P.linseed oil meal, wheat bran, wheat middlings, bone meal, CaCO3, dried buttermilk, ½% salt. Ingredients differ from license.	As certified
4.78	60.76	Cracked corn, alfalfa meal, molasses, ½ %fine table salt, crimped oats	As certified
4.11	62.56	Cracked corn, crimped oats, molasses, alfalfa meal, ½ % fine table salt	As certified
8.50	42.77	Corn gluten feed, wheat middlings, wheat bran, O. P. linseed oil meal, corn feed meal, cleaned ground wheat screenings, dried grains from barley, malt and corn, cotton seed meal, molasses, ½ % salt.	See below (A)
8.65	43.31	Cotton seed meal, O. P. linseed oil meal, corn gluten feed, wheat bran, dried grains fron barley, malt and corn, cleaned ground grain screenings, ground clipped oat by-product, molasses, ½ % salt.	As certified
8.40	43.63	Corn gluten feed, dried grains from barley, malt and corn, cotton seed meal, wheat middlings, O. P. linseed oil meal, molasses, cleaned ground wheat screenings, ground clipped oat by-product, CaCO3 from limestone, ½ of 1% salt.	As certified
7.95	45.84	Wheat bran, O. P. linseed oil meal, corn gluten feed, cleaned screenings, ground clipped oat by-product, cotton seed meal, dried grains, molasses, ½ of 1% salt. Ingredients differ from license.	As certified
1.65	72.34	Cracked wheat, cracked corn, cracked kaffir corn or cracked milo maize, oat groats, millet seed.	See below (B)
1.40	72.85	Same as above.	As certified
7.80	43.11	Cotton seed meal, corn oil cake meal, corn gluten feed, O. P. linseed oil meal, corn feed meal, wheat bran, wheat middlings, dried grains from barley, malt and corn, alfalfa meal, molasses, ½ % salt.	As certified
7.07	44.77	Cotton seed meal, wheat bran, corn oil cake meal, corn gluten feed, O. P. linseed meal, middlings, dried grains from barley, malt and corn, molasses, alfalfa meal, salt.	As certified.
6.25	55.59	Meat scraps, dried buttermilk, ground fish scrap, corn feed meal, oat meal, wheat bran, wheat middlings, O. P. linseed oil meal, rolled oats groat, alfalfa meal, corn gluten, bone meal, dried yeast, CaCO3. Ingredients differ from license	As certified
6.10	52.88	Same as above	As certified.
11.16	46.10	Meat scraps, corn gluten feed, wheat bran, wheat middlings, oat meal, alfalfa meal, corn feed meal, O. P. linseed oil meal, bone meal, dried buttermilk, CaCO3. from limestone, salt.	As certified
2.29	71.24	Wheat, cracked corn, oats, kaffir corn or milo maize, sunflower and buckwheat. Ingedients differ from license	See below (C)
1.90	69.29	Wheat, cracked corn, oats, barley, kaffir corn or milo maize, sunflower seed, buckwheat	See below (D)
7.40	58.28	Ground oat groats, dried buttermilk, ground meat scraps, wheat middlings, wheat flour, corn meal, corn feed meal, alfalfa meal, bone meal, O. P. linseed oil meal, dried yeast, CaCO3. from limestone, fish scrap	AS certified.
7.65	59.64	Same as above	As certified.
3.74	62.64	Cracked corn, crushed oats, O. P. linseed oil meal, corn gluten feed, molasses, ½ % salt. Ingredients differ from license	As certified.
6.32	37.51		As certified
5.81	37.97		As certified
5.35	34.90		As certified
6.84	20.94		As certified
6.25	26.49		As certified

(A) Also detected reground oat feed; unable to detect salt.
(B) Detected both cracked kaffir corn and cracked milo maize.
(C) Both kaffir corn and milo maize prseent; also detected barley.
(D) Detected both kaffir corn and milo maize.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND
Ashcraft Wilkinson Co., Atlanta, Ga.,—Cont.								
Helmet Brand Prime Cotton Seed Meal	Baltimore	6.32	41.00	**41.77**	6.00	**6.52**	10.00	**10.42**
Helmet Brand Prime Cotton Seed Meal	Gaithersburg	6.47	41.00	**43.61**	6.00	**6.57**	10.00	**8.50**
Helmet Brand Prime Cotton Seed Meal	Walkersville	7.82	41.00	**41.42**	6.00	**7.57**	10.00	**10.50**
Helmet Brand Prime Cotton Seed Meal	Hagerstown	8.12	41.00	**41.24**	6.00	**9.03**	10.00	**13.40**
Helmet Brand Prime Cotton Seed Meal	Walkersville	8.52	41.00	**44.00**	6.00	**7.00**	10.00	**11.39**
Helmet Brand Prime Cotton Seed Meal	White Hall	7.55	41.00	**41.07**	6.00	**6.43**	10.00	**12.00**
Helmet Brand Prime Cotton Seed Meal	Hagerstown	7.53	41.00	**40.46**	6.00	**8.13**	10.00	**13.71**
Helmet Brand Prime Cotton Seed Meal	Taneytown	8.15	41.00	**40.33**	6.00	**7.33**	10.00	**11.38**
Monarch Brand Prime Cotton Seed Meal	Conowingo	6.90	43.00	**43.79**	6.00	**7.70**	10.00	**8.42**
Monarch Brand Prime Cotton Seed Meal	Sykesville	7.80	43.00	**43.44**	6.00	**7.25**	10.00	**8.62**
Monarch Brand Prime Cotton Seed Meal	Sykesville	7.95	43.00	**43.09**	6.00	**6.75**	10.00	**9.63**
Paramount Brand Good Cotton Seed Meal	Baltimore	7.90	36.00	**38.00**	5.50	**6.47**	14.00	**13.92**
*Paramount Brand Good Cotton Seed Meal	Baltimore	6.72	36.00	**33.26**	5.50	**5.60**	14.00	**16.13**
Paramount Brand Good Cotton Seed Meal	Baltimore	7.90	36.00	**36.29**	5.50	**6.42**	14.00	**15.25**
Paramount Brand Good Cotton Seed Meal	Baltimore	6.15	36.00	**36.33**	5.50	**6.67**	14.00	**14.75**
Paramount Brand Good Cotton Seed Meal	Baltimore	6.88	36.00	**36.24**	5.50	**5.85**	14.00	**14.92**
Paramount Brand Good Cotton Seed Meal	Reisterstown	8.83	36.00	**37.38**	5.50	**6.03**	14.00	**14.58**
Athey & Harrison, Laurel, Md.								
Pure Wheat Bran	Laurel	12.02	14.00	**14.39**	3.50	**3.50**	8.00	**6.55**
Pure Wheat Bran	Laurel	9.15	14.00	**14.92**	3.50	**4.83**	8.00	**7.48**
†Pure Wheat Middlings	Laurel	12.75	15.00	**13.78**	4.00	**2.33**	6.00	**1.21**
Laurel Scratch Feed	Laurel	11.27	9.50	**10.79**	2.50	**3.12**	5.00	**2.75**
Atkinson Milling Co., Minneapolis, Minn.								
Wheat Bran, with Ground Screenings N.Ex. M. R.	Baltimore	6.35	14.00	**15.53**	4.00	**5.25**	12.00	**10.55**
Wheat Standard Middlings, with Ground Screenings N. Ex. M. R.	Baltimore	11.00	15.00	**16.41**	4.00	**5.05**	9.50	**8.30**
J. J. Badenoch Co., Chicago, Ill.								
Badenoch's Baby Chick Starter	Motters	11.07	16.00	**17.02**	4.00	**5.70**	5.00	**4.37**
Badenoch's Baby Chick Starter	Hancock	12.60	16.00	**16.85**	4.00	**4.30**	5.00	**4.77**
C-Em-Grow Hog Feed	Hancock	9.10	18.00	**20.10**	3.50	**4.54**	8.00	**7.62**
*C-Er-Lay Coarse Chick Feed N. G.	Motters	12.15	10.00	**11.14**	2.50	**1.80**	5.00	**1.92**
*C-Er-Lay Fine Chick Feed N. G.	Motters	12.32	10.00	**10.88**	2.50	**1.92**	5.00	**1.95**
C-Er Lay Scratch Feed N. G.	Motters	12.17	10.00	**10.18**	2.50	**2.07**	5.00	**2.55**
Corn Feed Meal	Hancock	8.57	9.00	**10.00**	3.00	**5.00**	4.00	**4.65**
Dairy Feed 32%	Parkton	7.75	32.00	**32.47**	5.00	**5.40**	10.00	**8.05**
Daily Egg Scratch Feed N. G.	Mt. Airy	11.72	10.00	**10.18**	2.50	**3.12**	5.00	**2.57**
Egg-A-Day Dry Mash	Cumberland	9.02	20.00	**20.27**	4.50	**5.70**	7.00	**6.55**
Eggspay Scratch Feed N. G.	Parkton	10.85	10.00	**10.44**	2.50	**3.42**	5.00	**3.10**
Eggspay Scratch Feed N. G.	Cumberland	9.33	10.00	**10.09**	2.50	**2.65**	5.00	**3.70**
Giv-Em-All Horse Feed	Hancock	12.02	9.00	**10.42**	2.50	**2.48**	12.00	**11.52**

* Means deficient in protein or fat.
† Means deficient in both protein and fat.

Ash	Nitrogen Free Extract	INGREDIENTS — GUARANTEED	IDENTIFIED
6.91	28.06		As certified
6.22	28.63		As certified
6.61	26.08		As certified
6.50	21.71		As certified
5.60	23.49		As certified
5.55	27.40		As certified
6.50	23.67		As certified
6.05	26.76		As certified
7.08	26.11		As certified
7.16	25.73		As certified
6.80	25.78		As certified
5.84	27.87		As certified
6.96	31.33		As certified
5.24	28.90		See below (A)
5.30	30.80		As certified
5.63	30.48		As certified
5.50	27.68		As certified
4.52	59.02		As certified
5.30	58.32		See below (B)
1.68	68.25		As certified
1.78	70.29	Cracked corn, wheat, milo maize, barley, buckwheat, sunflower. Ingredients differ from license	See below (C)
5.85	56.47		As certified
5.25	53.99		As certified
6.55	55.29	Cod liver oil, cod liver meal, ground meat scrap, dried buttermilk, fish meal, bone meal, alfalfa meal, wheat flour, wheat middlings, corn meal, ground oats, ground oat groats, O. P. linseed oil meal, $CaCO_3$ from limestone	As certified
6.54	54.94	Same as above	As certified
8.44	50.20	Digester tankage, fish meal, corn oil cake meal, alfalfa meal, O. P. linseed oil meal, corn feed meal, ground barley, ground oats, wheat middlings, bone meal, $CaCO_3$, salt, molasses	As certified
1.39	71.60	Wheat, cracked corn, kaffir corn, milo, hulled oats	As certified
1.44	71.49	Cracked wheat, cracked corn, cracked kaffir corn, cracked milo, millet seed and hulled oat	As certified
1.56	71.47	Wheat, cracked corn, kaffir corn, milo, barley, oats, sunflower seed, buckwheat	As certified
1.74	70.04		As certified
8.63	37.70	Old process linseed oil meal, cotton seed meal, corn gluten meal, wheat bran, dried grains from barley, malt and corn, calcium carbonate from limestone 1%, molasses, ½ of 1% salt	As certified
1.60	70.81	Wheat, cracked corn, barley, oats, milo, sunflower seed, buckwheat, kaffir corn	As certified
11.74	46.72	Ground meat scraps, dried buttermilk, cod liver meal, alfalfa meal, wheat bran, wheat middlings, corn feed meal, ground oats, ground barley, soy bean meal, oil meal, corn gluten feed, $CaCO_3$, salt. Ingredients differ from license	As certified
1.97	70.22	Wheat, cracked corn, kaffir corn, milo, barley, oats, sunflower seed, buckwheat	As certified
2.10	72.13	Same as above	As certified
4.44	59.12	Cracked corn, crimped oats, alfalfa meal, molasses, salt	As certified

(A) Excessive hulls detected.
(B) Product is pure wheat mixed feed.
(C) Unable to detect milo maize.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
J. J. Badenoch Co., Chicago, Ill.,—Cont.										
Giv-Em-All Horse Feed	Laurel	9.47	9.00	**10.79**	2.50	**2.85**	12.00	8.55	4.68	63
Honey Bee Horse Feed	Hancock	11.98	10.00	**10.55**	3.00	**3.14**	10.00	6.31	3.71	64
Honey Bee Horse Feed	Laurel	9.17	10.00	**12.16**	3.00	**3.60**	10.00	5.70	3.70	65
Jay Bee Dairy Feed	Parkton	10.27	24.00	**26.06**	4.50	**4.83**	9.00	8.09	7.11	43
Jay Bee Dairy Feed	Hancock	12.46	24.00	**25.41**	4.50	**4.78**	9.00	7.68	7.27	42
Milky Way Dairy Feed, with Beet Pulp	Lutherville	9.50	20.00	**22.20**	4.00	**4.22**	12.00	12.00	8.59	43
Sunflower Coarse Chick Feed N. G	Hancock	11.95	10.00	**10.44**	2.50	**3.72**	5.00	1.95	1.56	70
Sunflower Egg Mash	Lutherville	11.07	20.00	**21.41**	4.50	**4.52**	8.00	7.37	9.94	45
Sunflower Fine Chick Feed N. G	Hancock	12.02	10.00	**11.23**	2.50	**3.62**	5.00	2.40	1.74	68
Sunflower Fine Chick Feed N. G	Hancock	11.80	10.00	**11.06**	2.50	**3.35**	5.00	2.27	1.82	69
Sunflower Growing Mash	Motters	11.15	16.00	**17.02**	4.00	**4.90**	8.00	8.25	8.25	50
Sweet Honey Bee Dairy Feed	Westminster	11.76	16.00	**15.33**	4.00	**3.73**	12.00	11.18	8.59	49
Sweet Honey Bee Dairy Feed	Monrovia	11.18	16.00	**16.50**	4.00	**5.67**	12.00	12.60	8.94	45
Sweet Honey Bee Dairy Feed	Mt. Airy	9.60	16.00	**16.15**	4.00	**5.02**	12.00	12.75	9.70	46
Velvet Dairy Feed	Monrovia	11.33	16.00	**16.94**	3.50	**5.80**	12.00	12.00	9.32	44
Velvet Scratch Feed	Hancock	10.95	10.00	**10.88**	2.50	**3.45**	5.00	4.37	2.69	67
Velvet Stock Feed	Hancock	8.94	9.00	**9.97**	3.50	**3.55**	11.00	12.46	6.48	58
Baltimore Feed & Grain Co., Baltimore, Md.										
BBL. Baby Chick Feed	Baltimore	11.47	11.00	**11.06**	3.50	**3.70**	3.00	1.92	1.99	69
BBL. Baby Chick Feed	Baltimore	11.23	10.00	**10.71**	3.00	**2.80**	3.00	2.30	1.75	71
BBL. Chick Developer	Baltimore	12.08	10.00	**10.09**	3.50	**3.23**	3.00	2.15	1.50	70
BBL. Cod-Milk-O-Lay	Baltimore	9.15	20.00	**20.80**	4.00	**4.42**	9.00	7.65	7.89	50
BBL. Cod-Milk-O-Lay	Baltimore	8.18	20.00	**20.53**	4.00	**4.65**	9.00	8.58	7.05	51
BBL. Cod-Milk-O-Gro	Baltimore	9.67	18.00	**18.62**	3.50	**4.25**	8.50	5.55	8.03	53
BBL. Cod-Milk-O-Chick Starter, with Dried BM. and Cod Liver Oil	Baltimore	9.65	14.00	**15.27**	4.50	**5.16**	5.00	4.50	4.75	60

(A)

Ash	Nitrogen Free Extract	INGREDIENTS — GUARANTEED	IDENTIFIED
4.68	63.66	Same as above	As certified
3.71	64.31	Cracked corn, crushed oats, barley, wheat bran, molasses, salt	As certified
3.70	65.67	Same as above	As certified
7.11	43.64	Corn gluten feed, dried grains from barley, malt and corn, old process linseed oil meal, cotton seed meal, molasses, wheat bran, wheat middlings, ground barley ground oats, calcium carbonate from limestone. Ingredients differ from license	As certified
7.27	42.40	Corn gluten meal, corn gluten feed, dried grains from barley, malt and corn, O. P. linseed oil meal, cotton seed meal, corn feed meal, wheat bran, wheat middlings, ground oats, ground barley, molasses, salt, $CaCO_3$	As certified
8.59	43.49	Corn gluten feed, dried grains from barley, malt and corn, cotton seed meal, O. P. linseed oil meal, corn gluten meal, corn feed meal, wheat bran, wheat middlings, ground barley, ground oats, oat shorts, oat middlings, oat hulls, $CaCO_3$, salt, cocoanut oil meal. Ingredients differ from license	As certified
1.56	70.38	Wheat, cracked corn, kaffir corn, milo, oat groats	As certified
9.94	45.69	Ground meat scraps, dried buttermlik, bone meal, alfalfa meal, wheat bran, wheat middlings, corn feed meal, ground oats, ground barley, O. P. linseed oil meal, corn gluten feed, $CaCO_3$ from limestone, salt	As certified
1.74	68.99	Cracked wheat, cracked corn, cracked kaffir corn, cracked milo, wheat and millet screenings	As certified
1.82	69.70	Same as above	As certified
8.25	50.43	Ground oats, ground barley, corn feed meal, alfalfa meal, wheat bran, wheat middlings, ground meat scraps, fish meal, O. P. linseed oil meal, buttermilk, bone meal, 1% $CaCO_3$ from limestone, ½ of 1% salt	As certified
8.59	49.41	Corn gluten feed, corn gluten meal, cotton seed meal, oil meal, wheat bran, wheat middlings, ground wheat screenings, clipped oat by-products, molasses, $CaCO_3$, salt	As certified
8.94	45.11	Corn gluten feed, cotton seed meal, O. P. linseed oil meal, corn gluten meal, wheat bran, wheat middlings, cleaned ground wheat screenings, ground clipped oats by-products, salt, $CaCO_3$. Ingredients differ from license	As certified
9.70	46.78	Corn gluten feed, cotton seed meal, O. P. linseed oil meal, corn gluten meal, wheat bran, wheat middlings, cleaned ground wheat screenings, ground clipped oat by-products, $CaCO_3$, from limestone, molasses, salt	As certified
9.32	44.61	Corn gluten feed, cotton seed meal, corn gluten meal, cleaned ground wheat screenings, ground clipped oat by-product, molasses, salt, $CaCO_3$	As certified
2.69	67.66	Wheat, cracked corn, kaffir corn, milo, barley, sunflower seed, oats, screenings from oats, miscellaneous wild seeds	As certified
6.48	58.60	Crushed oats, ground barley, corn feed meal, or hominy feed, wheat middlings, oat middlings, oat hulls, oat shorts, molasses, salt, $CaCO_3$. Ingredients differ from license	As certified
1.99	69.86	Cracked corn, steel cut oats, millet, kaffir corn, milo maize, wheat	As certified
1.75	71.21	Cracked corn, steel cut oats, milo, millet, kaffir corn. Ingredients differ from license	See below (A)
1.50	70.95	Cracked corn, hulled oats, millet, milo maize, wheat, buckwheat, kaffir corn	As certified
7.89	50.09	Cod liver oil, dried buttermilk, wheat middlings, wheat bran, corn chop, alfalfa meal, gluten feed, ground oats, meat scraps, ground oatmeal, flaxseed meal, bone meal, fish meal, charcoal, salt, lime, iodine, calcium phosphate	As certified
7.05	51.01	Same as above	As certified
8.03	53.88	Dried buttermilk, wheat bran, corn chop, alfalfa meal, flaxseed meal, wheat middlings, bone meal, meat meal, fish meal, gluten feed, lime, charcoal, iodine, calcium phosphate, cod liver oil, salt	As certified
4.75	60.67	Dried buttermilk, cod liver oil, oat meal, unbolted corn meal, wheat bran, wheat middlings, bone meal, charcoal, sodium chloride, calcium sulphate, calcium phosphate, calcium carbonate, potassium iodine. Ingredients differ from license	As certified

(A) Also detected grain screenings.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Baltimore Feed & Grain Co., Baltimore, Md.,—Cont.										
*BBL. Cod-O-Milk-Chick Starter, with Dried BM. and Cod Liver Oil	Baltimore	12.60	14.00	**15.09**	4.50	**2.95**	5.00	5.22	4.05	60
BBL. Growing Mash, with Dried BM.	Baltimore	9.92	18.00	**18.69**	4.50	**4.60**	9.00	7.57	7.77	51
*BBL. Fish Meal	Baltimore	8.00	55.00	**60.73**	8.00	**6.50**	2.00	.83	20.45	3
BBL. Fish Meal	Baltimore	8.30	55.00	**58.62**	8.00	**9.20**	2.00	.72	19.23	3
BBL. Higher Quality Dry Mash, without BM.	Baltimore	9.55	20.00	**20.01**	4.00	**4.27**	9.00	7.77	7.00	51
BBL. Higher Quality Dairy Feed 24%	Baltimore	9.10	24.00	**23.30**	5.00	**5.52**	10.00	8.60	6.60	46
BBL. Hy-Protein Meat Meal	Baltimore	10.12	75.00	**77.58**	8.00	**8.72**	3.00	.87	6.75	
BBL. Hy-Protein Meat Meal	Baltimore	9.25	75.00	**82.05**	8.00	**8.24**	3.00	.72	6.05	
BBL. Improved Laying Mash, with Dried BM.	Baltimore	8.63	20.00	**21.06**	4.50	**4.25**	9.00	8.25	7.95	49.
BBL. Impvd. Laying Mash, with Dried BM.	Baltimore	9.55	20.00	**21.24**	4.50	**4.20**	9.00	7.47	7.60	49.
BBL. Selected Beef Scraps	Mt. Lake Park	5.53	55.00	**57.13**	8.00	**14.30**	3.00	1.98	21.00	
BBL. Selected Beef Scraps	Baltimore	7.37	55.00	**57.30**	8.00	**10.40**	3.00	2.00	22.00	
BBL. Selected Beef Scraps	Baltimore	4.95	55.00	**56.51**	8.00	**14.73**	3.00	1.63	22.14	
BBL. Brand Pigeon Feed No. 3	Baltimore	11.40	16.00	**16.06**	3.00	**3.53**	4.00	4.40	2.10	62.
BBL. Special Breeding Pigeon Feed	Baltimore	11.57	15.00	**14.04**	2.50	**3.88**	4.00	3.62	2.31	64.
Victory Brand Scratch Feed	Baltimore	11.38	10.00	**9.65**	3.00	**2.83**	3.00	2.80	1.25	72.
Victory Brand Scratch Feed	Baltimore	11.18	10.00	**10.97**	3.00	**3.28**	3.00	3.18	1.50	69.
Barker, Moore & Mein Medicine Co., Inc., Phila., Penna.										
Barker's Chick Mash	Salisbury	11.83	14.29	**13.47**	6.00	**5.51**	4.00	4.00	6.40	58.
Baugh & Sons Co., Baltimore, Md.										
Duplex Egg Producer Pure Meat Meal	Mt. Airy	7.30	55.00	**56.51**	10.00	**10.17**	3.00	4.16	21.00	
60% Digester Tankage	Grantsville	9.02	60.00	**61.25**	8.00	**8.75**	3.00	2.65	16.33	2.
*55% Fish Meal for Feeding	New Windsor	8.35	55.00	**55.02**	8.00	**7.35**	1.00	1.07	27.24	
45% Meat and Bone Scrap	Westminster	7.12	45.00	**47.74**	10.00	**12.62**	3.00	2.27	28.86	1.
Oldest Brand Meat and Bone Scrap	Mt. Airy	6.95	50.00	**50.02**	10.00	**13.25**	3.00	3.52	26.00	
Oldest Brand Meat and Bone Scrap	Hancock	7.30	50.00	**52.48**	10.00	**11.17**	3.00	2.80	26.15	
Oldest Brand Meat and Bone Scrap	Grantsville	7.02	50.00	**52.48**	10.00	**12.32**	3.00	2.67	24.85	
Oldest Brand Meat and Bone Scrap	Taneytown	7.18	50.00	**52.12**	10.00	**11.85**	3.00	2.85	25.50	
Bay State Milling Co., Winona, Minn.										
Wingold Standard Hard Wheat Middlings, with Ground Screenings	Baltimore	11.45	16.60	**17.38**	4.90	**6.13**	8.90	8.55	4.40	52.
G. T. Bell & Son, Federalsburg, Md.										
Pure Wheat Bran	Federalsburg	10.42	14.50	**16.67**	4.00	**5.20**	9.00	9.05	7.79	50.
Pure Wheat Middlings	Federalsburg	11.97	15.00	**16.41**	4.00	**4.25**	5.00	4.80	3.95	58.
Alfred Austin Beltz, Minneapolis, Minn.										
"A. A." Pure Wheat Bran	Berwyn	11.30	15.00	**16.67**	5.00	**5.90**	10.50	9.15	5.92	51.

* Means deficient in protein or fat.

(A)

Ash	Nitrogen Free Extract	INGREDIENTS — GUARANTEED	IDENTIFIED
4.05	60.09	Dried buttermilk, cod liver oil, oat meal, corn chop, wheat bran, wheat middlings, bone meal, lime, charcoal, iodine, salt, calcium phosphate	As certified
7.77	51.45	Dried buttermilk, wheat bran, wheat middlings, corn chop, oat meal, alfalfa meal, flaxseed meal, bone meal, meat scraps, fish meal, lime, gluten feed, calcium phosphate, iodine, salt	See below (A)
20.45	3.49		As certified
19.23	3.93		As certified
7.00	51.40	Ground oats, fish meal, meat scraps, bone meal, wheat bran, wheat middlings, corn meal, gluten, alfalfa meal, lime, calcium phosphate, iodine, ½% salt. Ingredients differ from license	As certified
6.60	46.88	Peanut meal, corn chop, wheat bran, wheat middlings, malt sprouts, dried brewers grains, flaxseed meal, ground oats, gluten feed, bone meal, charcoal, iodine, calcium carbonate, calcium phosphate, ½% fine salt	As certified
6.75			As certified
6.05			As certified
7.95	49.86	Dried buttermilk, alfalfa meal, wheat bran, wheat middlings, corn chop, oat meal, flaxseed meal, bone meal, meat scraps, fish meal, gluten feed, salt, lime, iodine, calcium phosphate. Ingredients differ from license	As certified
7.60	49.94	Same as above	As certified
21.00	.06		As certified
22.00	.93		As certified
22.14	.04		As certified
2.10	62.51	Rice, hulled oats, peas, vetch, millet seed, hemp, buckwheat, kaffir corn, milo maize	As certified
2.31	64.58	Peas, kaffir corn, milo maize, corn, hemp, millet, buckwheat, hulled oats, rice	As certified
1.25	72.09	Barley, cracked corn, kaffir corn, milo maize, wheat, sunflower, buckwheat	As certified
1.50	69.89	Same as above	As certified
6.40	58.79	Corn meal, middlings, ground oat groats, barley meal, mustard bran, powdered milk, oyster shell meal, epsom salts, gentian, bone meal, millet, rape seed, bi-carbonate of soda, black pepper	As certified
21.00	.86		As certified
16.33	2.00		As certified
27.24	.97		As certified
28.86	1.39		As certified
26.00	.26		As certified
26.15	.10		As certified
24.85	.66		As certified
25.50	.50		As certified
4.40	52.09		As certified
7.79	50.87		As certified
3.95	58.62		As certified
5.92	51.06		As certified

(A) Unable to detect wheat bran.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
J. P. Bennett & Sons, Mardela Springs, Md.										
Best Laying Mash	Mardela Springs	9.10	20.00	**23.08**	4.00	**5.12**	9.00	7.30	9.40	4
Best Laying Mash	Mardela Springs	10.75	20.00	**21.59**	4.00	**6.70**	9.00	7.73	8.34	4
Best Laying Mash	Mardela Springs	11.47	20.00	**21.76**	4.00	**4.32**	9.00	6.47	9.17	4
Best Growing Mash	Mardela Springs	11.38	16.00	**17.81**	4.00	**4.78**	8.00	6.05	3.60	5
*Best Scratch Feed	Mardela Springs	11.95	10.00	**10.27**	3.50	**2.52**	4.00	3.57	1.37	7
Best Scratch Feed	Mardela Springs	11.57	10.00	**10.00**	3.50	**3.35**	4.00	3.25	1.62	7
Berg Co., Philadelphia, Penna.										
*3 Medal Poultry Meat & Bone Scrap	Hyattsville	7.45	45.00	**43.20**	8.00	**10.43**	3.00	4.93	30.12	
*50% Protein Poultry Meat and Bone Scrap	Walkersville	7.10	50.00	**48.53**	8.00	**8.62**	2.00	4.12	24.79	6
*50% Protein Poultry Meat and Bone Scrap	Walkersville	7.02	50.00	**48.29**	8.00	**8.75**	2.00	4.12	25.59	6
M. S. Berkley, Cumberland, Md.										
Blue Ribbon Scratch Feed	Cumberland	9.20	10.00	**10.35**	2.50	**3.25**	5.00	2.73	1.65	7
Berlin Milling Co., Salisbury, Md.										
Pure Wheat Bran	Salisbury	10.47	14.00	**15.71**	4.00	**4.25**	11.00	9.67	6.30	5
Pure Wheat Bran	Berlin	7.47	14.00	**14.92**	4.00	**5.05**	11.00	8.00	5.68	5
Pure Wheat Middlings	Berlin	12.15	14.50	**14.30**	4.00	**4.32**	5.00	3.52	3.22	6
Pure Wheat Flour Middlings	Salisbury	11.67	14.50	**14.92**	4.00	**3.65**	5.00	5.32	3.47	6
Bernhard Stern & Sons—Atlas Flour Mills	**Milwaukee, Wis.**									
Standard Wheat Middlings, with Ground Screenings N. Ex. M. R.	Cumberland	9.58	15.50	**15.53**	3.50	**5.15**	9.50	8.80	4.65	5
Bernet, Craft & Kauffman Milling Co., Mt.	**Carmel, Ill.**									
"Ideal" Pure Wheat Bran	Chewsville	9.50	14.50	**16.04**	4.00	**4.25**	9.50	9.38	6.60	5
"Ideal" Pure Wheat Middlings	Cumberland	10.00	17.25	**17.38**	4.95	**4.45**	6.00	5.25	4.60	5
Joseph Beste & Son, Wilmington, Del.										
Meat and Bone Scrap	Pocomoke City	7.02	50.00	**50.55**	10.00	**11.27**	3.00	1.42	29.70	
Bisbee Linseed Co., Chicago Heights, Ill.										
Bisbee Brand Pure Old Process Linseed Oil Meal	Maugansville	9.00	32.00	**31.94**	6.00	**7.72**	10.00	8.05	6.71	3
Black & White Milling Co., East St. Louis, Ill.										
Black and White Horse and Mule Feed	Baltimore	12.70	9.00	**9.90**	2.00	**1.97**	13.00	11.55	3.56	6
W. H. Blakeslee, Wye Mills, Md.										
Pure Wheat Bran	Wye Mills	11.67	14.00	**15.97**	3.50	**3.70**	10.00	7.37	5.51	5
*Pure Wheat Middlings	Wye Mills	12.92	14.00	**14.74**	4.00	**2.32**	5.00	3.45	2.94	6
Blamberg Bros., Inc., Baltimore, Md.										
Blood Meal	Salisbury	10.50	.....	**63.00**	.....	**4.72**	.....	2.37	12.65	6
Cornell Brand 20% Dairy Feed	Baltimore	8.15	20.00	**22.34**	5.00	**5.12**	10.00	8.82	10.75	44
Cornell Brand 20% Dairy Feed	Baltimore	9.13	20.00	**21.67**	5.00	**5.20**	10.00	7.23	7.15	49
Cornell Brand Dry Mash	Baltimore	10.77	18.00	**18.25**	4.00	**4.18**	9.00	7.85	56.3	53

* Means deficient in protein or fat.

(A)

(B)
(C)
(D)

FIBRE FOUND	Ash	Nitrogen Free Extract	INGREDIENTS — GUARANTEED	IDENTIFIED
7.30	9.40	46.00	Corn meal, wheat middlings, wheat bran, ground oats, corn gluten feed, alfalfa meal, meat scraps, fish meal, oil meal, charcoal, salt	As certified
7.73	8.34	44.89	Same as above	As certified
6.47	9.17	46.81	Same as above	As certified
6.05	3.60	56.38	Wheat bran, wheat middlings, corn meal, corn gluten, oat meal, meat meal, oil meal, charcoal	As certified
3.57	1.37	70.32	Cracked corn, wheat, barley, oats, buckwheat, sunflower seed	As certified
3.25	1.62	70.21	Same as above	As certified
4.93	30.12	3.87		See below (A)
4.12	24.79	6.84		See below (B)
4.12	25.59	6.23		See below (B)
2.73	1.65	72.82	Cracked corn, milo, wheat, buckwheat, sunflower, barley, oats, kaffir corn	As certified
9.67	6.30	53.60		As certified
8.00	5.68	58.88		As certified
3.52	3.22	62.49		As certified
5.32	3.47	60.97		As certified
8.80	4.65	56.29		As certified
9.38	6.60	54.23		As certified
5.25	4.60	58.32		As certified
1.42	29.70	.04		As certified
8.05	6.71	36.58		As certified
11.55	3.56	60.32	Cracked corn, crimped oats, alfalfa meal, molasses, ½ of 1% salt	As certified
7.37	5.51	55.78		As certified
3.45	2.94	63.63		As certified
2.37	12.65	6.76		See below (C)
8.82	10.75	44.82	Wheat bran, wheat middlings, alfalfa meal, peanut meal, O. P. linseed oil meal, corn gluten feed, ground grain screenings, dried grains, corn feed meal or hominy feed, ground oats, calcium carbonate not over 2%, calcium phosphate, potassium iodide, ½ of 1% salt	As certified
7.23	7.15	49.62	Wheat bran, wheat middlings, O. P. linseed oil meal, alfalfa meal, dried grains, peanut, corn gluten, Ingedients differ from license	As certified
7.85	56.3	53.12	Fish meal, meat meal, bone meal, wheat bran, wheat middlings, corn meal, gluten feed, ground oats, linseed meal, alfalfa meal, potassium iodide CaCO3, calcium phosphate, salt	See below (D)

(A) Misbranded and adulterated. Detected hoof and/or horn meal, cocoa by-product and cottonseed hulls.
(B) Misbranded and adulterated. Also detected cottonseed hulls.
(C) Misbranded and adulterated with digester tankage.
(D) Also detected grain screenings.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	
Blamberg Bros., Inc., Baltimore, Md.—Con t.									
Cornell Brand Dry Mash	Baltimore	8.80	18.00	**19.22**	4.00	**4.32**	9.00	**9.25**	12.46
Cornel Brand Laying Mash, with BM	Baltimore	9.25	20.00	**22.73**	4.00	**4.67**	9.00	**9.15**	10.48
Cornell Brand Chick Developer	Baltimore	12.97	10.70	**10.62**	3.50	**3.27**	8.50	**1.92**	1.78
Cornell Brand Chick Feed	Baltimore	12.20	10.70	**10.71**	3.50	**3.47**	8.50	**1.65**	1.97
Cornell Brand Chick Starter, with DM	Baltimore	10.65	12.50	**14.22**	3.50	**3.57**	7.00	**4.35**	7.32
Cornell Brand Chick Starter, with BM	Baltimore	10.65	12.50	**14.48**	3.50	**5.70**	7.00	**4.05**	8.10
*Cornell Brand Egg Mash	Baltimore	9.98	20.00	**18.34**	4.00	**5.00**	9.00	**9.28**	11.60
Cornell Brand Growing Feed, with BM,	Baltimore	11.60	17.25	**17.03**	3.50	**3.35**	8.50	**8.75**	7.84
Cornell Bran Imported Racing Pigeon Feed	Baltimore	12.57	20.00	**20.71**	1.95	**1.82**	5.30	**3.95**	1.67
Cornell Brand Laying Mash, with BM	Baltimore	9.30	20.00	**20.18**	4.00	**4.65**	9.00	**8.35**	11.65
Cornell Brand Racing Pigeon Feed	Baltimore	12.00	16.00	**18.91**	4.00	**4.15**	5.00	**4.17**	2.14
Cornell Brand No. 2 Pigeon Feed	Baltimore	11.75	14.00	**14.22**	3.00	**3.33**	4.00	**3.70**	1.95
Cornell Brand No. 3 Pigeon Feed	Baltimore	12.48	16.00	**15.84**	3.00	**3.20**	4.00	**3.58**	2.20
Cornell Brand No. 4 Pigeon Feed	Baltimore	12.45	13.50	**12.59**	2.60	**3.88**	4.30	**3.23**	1.70
†Cornell Brand Meat and Bone Scrap	Baltimore	5.75	50.00	**47.29**	10.00	**6.91**	3.00	**1.95**	36.50
Cornell Brand Meat and Bone Scrap	Baltimore	5.18	45.00	**44.40**	10.00	**9.93**	2.00	**2.08**	37.50
Cornell Brand Scratch Feed	Baltimore	12.55	10.50	**10.44**	3.50	**3.60**	4.00	**3.03**	1.50
Cornell Special Meat Scraps	Westminster	5.68	55.00	**55.02**	10.00	**13.85**	3.00	**2.38**	20.80
*Cornell Brand Special Meat Scraps	Westminster	6.33	55.00	**54.24**	10.00	**7.55**	3.00	**1.83**	29.70
*Cornell Brand Special Meat Scraps	Baltimore	5.43	55.00	**55.90**	10.00	**8.83**	3.00	**2.05**	27.65
Cornell Brand Special Breeding Feed	Baltimore	11.47	13.50	**13.95**	2.60	**3.75**	4.30	**3.52**	2.85
Blatchford Calf Meal Co., Waukegan, Ill.									
Blatchford's Calf Meal	Baltimore	9.50	24.00	**24.92**	5.00	**4.91**	6.75	**6.15**	7.85
Blatchford's "Fill-The-Basket" Egg Mash	Baltimore	8.80	19.00	**19.74**	4.00	**4.65**	10.00	**7.15**	10.30
Blatchford's Essential Minerals for Cattle	Baltimore	2.72	2.25	**2.63**	.35	**.25**	.87	**.78**	66.68
Blatchford's Essential Minerals for Hogs	Baltimore	2.65	3.40	**3.42**	.19	**.20**	.60	**.82**	72.20
*Blatchford's Essential Minerals for Poultry	Baltimore	2.42	10.58	**9.30**	.90	**.87**	.45	**.92**	79.73
Blatchford's Chick Mash, with BM	Manchester	10.40	20.00	**20.01**	4.00	**4.05**	7.50	**4.83**	11.55

* Means deficient in protein or fat.
† Means deficient in both protein and fat.

Ash	Nitrogen Free Extract	INGREDIENTS — GUARANTEED	IDENTIFIED
12.46	45.95	Same as above	As certified
10.48	43.72	Corn meal, dried buttermilk, wheat bran, wheat middlings, oil meal, gluten feed, alfalfa meal, ground oats, fish meal, meat scraps, bone meal, charcoal, calcium carbonate, calcium phosphate, potassium iodide, salt	As certified
1.78	69.64	Cracked corn, wheat, kaffir corn, millet seed, hulled oats, milo maize, buckwheat	As certified
1.97	70.00	Cracked corn cracked wheat, cracked kaffir corn, millet seed, steel cut oats	As certified
7.32	59.89	Buttermilk, oatmeal, wheat bran, corn meal, wheat middlings, bone meal, 1% charcoal, ½ % salt. Ingr dience differ from license	As certified
8.10	57.02	Dried buttermilk, fine ground oat meal, wheat bran, corn meal, wheat middlings, bone meal, charcoal, salt, CaCO3, Ingredients differ from license	As certified
11.60	45.80	Cod liver oil, buttermilk, wheat bran, wheat middlings, corn meal, corn gluten feed, alfalfa meal, ground oats, meat scrap, bone meal, salt, charcoal. Ingredients differ from license	As certified
7.84	51.43	Buttermilk, meat meal, fine ground oat meal, gluten feed, wheat bran, corn meal, alfalfa meal, wheat middlings, flaxseed meal, bone meal, fish meal, charcoal, salt, calcium carbonate. Ingredients differ from license	As certified
1.67	59.28	Flint corn, Canada peas, large vetch, maple peas	As certified
11.65	45.87	Buttermilk, wheat bran, corn meal,wheat middlings, oil meal, gluten feed, alfalfa meal, ground oats, fish meal, meat scraps, bone meal, charcoal, salt, CaCO3. Ingredients differ from license	As certified
2.14	58.63	Argentine fine corn, Canada peas, large vetch, rice, hemp	As certified
1.95	65.05	Wheat, kaffir corn, milo maize, buckwheat, millet, vetch, hulled oats, rice, Canada peas, hemp seed	As certified
2.20	62.70	Kaffir corn, rice, buckwheat, hemp, millet, vetch, Canada peas, hulled oats. Ingredients differ from license	As certified
1.70	66.15	Small whole corn, kaffir corn, milo maize, peas, millet, buckwheat, hulled oats, rice, vetch, hemp seed, wheat	As certified
36.50	1.60		As certified
37.50	.91		As certified
1.50	68.88	Cracked corn, wheat, kaffir corn, barley, buckwheat, milo maize, sunflower seed	As certified
20.80	2.27		As certified
29.70	.35		See below (A)
27.65	.14		As certified
2.85	64.46	Yellow corn, peas, kaffir corn, milo maize, wheat, hemp, millet, rice, hulled oats	As certified
7.85	46.67	Locust bean meal, unpressed flaxseed, blood flour, rice polish, fish meal, O. P. linseed oil meal, dried milk albumen, barley meal,ground beans, calcium phosphate, CaCO 3, (bone meal), wheat flour, cocoanut oil meal, recleaned cottonseed meal, foenugreek, anise, salt. Ingredients differ from license	As certified
10.30	49.36	Meat scrap, dried milk albumen, fish meal, blood flour, corn meal, wheat bran,oat meal, bean meal, alfalfa meal, wheat middlings, cocoanut oil meal, cocoanut shell meal, O. P. linseed oil meal, rice polish, barley meal, calcium phosphate, (bone meal), calcium carbonate, salt. Ingredients differ from license	As certified
66.68	26.94	Calcium carbonate, calcium phosphate, potassium iodide, sodium chloride, anise, locust bean meal	As certified
72.20	20.71	Calcium carbonate, calcium phosphate, potassium iodide, sodium chloride, swine bread, (locust)	As certified
79.73	6.76	Calcium carbonate, calcium phosphate, meat scrap	As certified
11.55	49.16	Dried buttermilk, dried milk albumen, meat scraps, fish meal, blood flour, calcium phosphate (bone meal), corn meal, oat meal, wheat middlings, cocoa shell meal, locust bean meal, rice polish, O. P. linseed oil meal, cocoanut oil meal, wheat flour, barley, CaCO3. Ingredients differ from license	As certified

(A) Misbranded; should be meat and bone scraps.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
J. Bolgiano Seed Co., Baltimore, Md.										
Chesapeake Scratch Feed	Baltimore	9.08	10.00	**10.18**	2.50	**3.60**	5.00	**3.40**	1.55	72
Economy Scratch Feed	Baltimore	11.63	10.00	**10.35**	3.00	**3.13**	5.00	**3.43**	1.75	69
Square Deal Chick All Grains	Baltimore	12.45	9.00	**10.71**	2.00	**2.77**	5.00	**1.95**	1.75	70
Square Deal Chick Developer Feed	Baltimore	10.43	11.00	**11.41**	3.50	**4.35**	2.50	**2.68**	1.85	69
Square Deal Growing Mash, with BM	Baltimore	11.23	18.00	**20.80**	4.00	**6.60**	10.00	**7.25**	12.20	41
Square Deal Laying Mash, with BM	Baltimore	8.52	20.00	**22.03**	4.00	**6.35**	10.00	**8.35**	9.14	45
Square Deal Laying Mash, with BM	Baltimore	9.25	20.00	**21.94**	4.00	**7.21**	10.00	**7.48**	9.65	44
Square Deal Meat and Bone Scrap	Baltimore	5.18	50.00	**50.79**	10.00	**16.35**	3.00	**1.53**	25.90	
Square Deal No. 2 Pigeon Feed	Baltimore	10.80	14.00	**14.48**	4.00	**4.90**	6.00	**4.83**	2.00	62
Square Deal No. 3 Pigeon Feed	Baltimore	10.73	12.00	**13.51**	3.00	**3.70**	5.00	**3.35**	1.90	66
Square Deal No. 4 Pigeon Feed	Baltimore	10.78	12.00	**12.64**	3.00	**4.68**	5.00	**3.38**	1.80	66
Square Deal Scratch Feed	Baltimore	11.60	10.00	**10.35**	3.00	**3.25**	4.00	**3.20**	1.70	69
Square Deal Starting Feed ,with BM	Baltimore	10.70	12.50	**14.30**	4.00	**3.95**	4.50	**3.50**	4.74	62
Standard Laying Mash	Baltimore	11.02	18.00	**19.92**	5.00	**5.93**	10.00	**8.32**	8.88	45
Bowman Bros., Gaithersburg, Md.										
Wheat Middlings	Gaithersburg	11.92	14.00	**15.97**	4.00	**4.27**	10.00	**3.20**	2.69	61
Wheat Bran	Gaithersburg	10.05	13.50	**15.09**	3.00	**4.10**	10.00	**6.80**	4.49	59
C. H. Braun & Sons, Inc., Baltimore, Md.										
Encore Brand Meat and Bone Scrap	Hagerstown	4.90	45.00	**44.30**	10.00	**16.50**	2.00	**1.65**	31.83	
Encore Brand Meat and Bone Scrap	Baltimore	5.03	45.00	**46.07**	10.00	**15.58**	2.00	**1.95**	30.37	1
Encore Brand Meat and Bone Scrap	Hagerstown	5.65	45.00	**45.46**	10.00	**15.47**	2.00	**1.50**	30.94	
Encore Brand Meat and Bone Scrap	Baltimore	7.30	45.00	**44.05**	10.00	**11.70**	2.00	**1.70**	30.13	5
Encore Brand Meat and Bone Scrap	Baltimore	5.03	45.00	**45.72**	10.00	**15.68**	2.00	**2.08**	29.80	1
*Encore Brand Meat Scrap	Baltimore	5.03	55.00	**52.35**	10.00	**15.55**	2.00	**1.75**	25.30	
Encore Brand Meat Scrap	Westminster	8.05	55.00	**55.46**	10.00	**13.42**	2.00	**1.45**	21.36	
Encore Brand Meat Scrap	Baltimore	7.30	55.00	**56.95**	10.00	**13.07**	2.00	**1.45**	20.78	
Encore Brand Meat Scrap	Owings Mills	4.75	55.00	**58.01**	10.00	**13.80**	2.00	**1.50**	21.90	
Encore Brand Meat Scrap	Baltimore	5.00	50.00	**52.30**	10.00	**14.93**	2.00	**1.95**	25.78	
Encore Brand Meat Scrap	Baltimore	5.21	50.00	**52.21**	10.00	**13.26**	2.00	**1.78**	26.50	1
F. W. Brode Corp., Memphis, Tenn.										
Owl Brand 43% Prime Cotton Seed Meal	Friendsville	9.20	43.00	**45.02**	5.00	**8.77**	10.00	**9.32**	8.27	19
P. M. Brooks, Chestertown, Md.										
Pure Wheat Bran	Chestertown	8.48	14.00	**14.39**	3.50	**4.60**	10.00	**7.88**	5.40	59
Pure Wheat Middlings	Chestertown	11.40	15.00	**14.74**	3.50	**3.45**	5.00	**3.05**	2.60	64
Rose Bud Egg Mash	Chestertown	11.92	19.00	**20.71**	3.50	**3.57**	7.00	**5.80**	8.74	49
Rose Bud Egg Mash	Chestertown	8.95	19.00	**21.76**	3.50	**4.40**	7.00	**5.73**	8.65	50
Rose Bud Turkey Mash	Chestertown	9.75	20.00	**21.59**	4.50	**5.75**	7.00	**9.20**	10.50	43

* Means deficient in protein or fat.

FIBRE FOUND	Ash	Nitrogen Free Extract	INGREDIENTS GUARANTEED	IDENTIFIED
3.40	1.55	72.19	Cracked corn, barley, kaffir corn, wheat, oats, sunflower. Ingredients differ from license	As certified
3.43	1.75	69.71	Cracked corn, kaffir corn, milo maize, barley, wheat, buckwheat, sunflower seed. Ingredients differ from license	As certified
1.95	1.75	70.37	Cracked corn, milo maize, kaffir corn, wheat, millet seed, hulled oats	As certified
2.68	1.85	69.28	Cracked corn, milo maize, kaffir corn, wheat, millet seed, rolled oats	See below (A)
7.25	12.20	41.92	Kaffir corn, corn feed meal, wheat bran, middlings, ground oats, gluten feed, O. P. linseed oil meal, beef scrap, bone meal, powdered buttermilk, salt. Ingredients differ from license	As certified
8.35	9.14	45.61	Corn feed meal, Red Dog flour, ground oats, standard middlings, beef scrap, fish meal, bran, alfalfa meal, gluten feed, dried buttermilk, linseed meal, bone meal, 1% $CaCO_3$, epsom salts, salt. Ingredients differ from license	As certified
7.48	9.65	44.47	Corn meal, Red Dog flour, ground oats, standard middlings, beef scrap, fish meal, bran, alfalfa meal, gluten feed, dried buttermilk, linseed meal, bone meal, $CaCO_3$, epsom salts, salt, cod liver oil. Ingredients differ from license	As certified
1.53	25.90	.25		As certified
4.83	2.00	62.99	Millet seed, kaffir corn, milo maize, Canada peas, large vetch, hemp seed, buckwheat. Ingredients differ from license	As certified
3.35	1.90	66.81	Wheat, kaffir corn, milo maize, Canada peas, large vetch, hemp seed, millet seed, buckwheat	As certified
3.38	1.80	66.72	Wheat, kaffir corn, milo maize, large vetch, Canada peas, hemp seed, millet seed, buckwheat, Argentine corn. Ingredients differ from license	As certified
3.20	1.70	69.90	Wheat, cracked corn, kaffir corn, barley, buckwheat, sunflower seed. Ingredients differ from license	As certified
3.50	4.74	62.81	Pure powdered buttermilk, rolled oats, fancy bone meal, Red Dog flour, standard middlings, corn feed meal, linseed oil meal, cod liver oil. Ingredients differ from license	As certified
8.32	8.88	45.93	Corn feed meal, wheat bran, ground oats, beef scrap, table salt, standard middlings, alfalfa meal	As certified
3.20	2.69	61.95		As certified
6.80	4.49	59.47		As certified
1.65	31.83	.82		As certified
1.95	30.37	1.00		As certified
1.50	30.94	.98		As certified
1.70	30.13	5.12		As certified
2.08	29.80	1.69		As certified
1.75	25.30	.02		As certified
1.45	21.36	.26		As certified
1.45	20.78	.45		As certified
1.50	21.90	.04		As certified
1.95	25.78	.04		As certified
1.78	26.50	1.04		As certified
9.32	8.27	19.42		As certified
7.88	5.40	59.25		As certified
3.05	2.60	64.76		As certified
5.80	8.74	49.26	Meat scrap, wheat bran, wheat middlings, corn meal, corn gluten feed, ground oats	As certified
5.73	8.65	50.51	Same as above	As certified
9.20	10.50	43.21	Rolled oats, oat flour, beef scrap, bran, middlings, charcoal, bone meal	As certified

(A) Also detected barley.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Buckeye Cotton Oil Co., Cincinnati, Ohio.										
Buckeye 36% Protein Cotton Seed Meal	Union Bridge	7.27	36.00	**38.79**	5.00	**6.52**	14.00	**12.67**	5.40	29
Buckeye 36% Protein Cotton Seed Meal	Linwood	8.88	36.00	**36.51**	5.00	5.78	14.00	**13.88**	5.13	29
Buckeye 43% Prime Cotton Seed Meal	Buck Lodge	6.88	43.00	**42.44**	6.00	**6.93**	10.00	**12.50**	6.10	25
Buckeye Prime Cotton Seed Meal	Denton	7.52	41.00	**42.03**	6.50	**6.42**	10.00	**9.57**	6.46	28
Calvary Roller Mills, Bel Air, Md.										
"Calvary Mills" Brand Pure Grain Dairy Ration	Bel Air	8.92	20.00	**20.45**	4.50	**5.12**	10.00	**7.57**	4.68	53
*"Calvary Mills" Pure Wheat Bran	Bel Air	9.10	14.00	**14.22**	3.50	**2.90**	10.00	**6.80**	3.99	62
†"Calvary Mills" Pure Wheat Middlings	Bel Air	12.47	15.00	**12.11**	4.00	**2.75**	6.00	**1.97**	1.54	69
Cambridge Manufacturing Co., Cambridge, Md.										
Pure Wheat Bran	Cambridge	11.15	14.00	**15.36**	4.00	**4.87**	10.00	**9.60**	6.66	52
Pure Wheat Middlings	Cambridge	11.42	14.50	**16.32**	4.00	**4.10**	5.00	**3.40**	2.76	62
New Vim Fine Chick Scratch	Preston	11.37	9.00	**10.09**	3.00	**4.22**	6.00	**1.55**	1.49	71
New Vim Chick Starter	Preston	9.85	14.00	**18.61**	3.00	**5.47**	6.00	**5.62**	7.20	53
New Vim Dairy Feed	Preston	7.62	24.00	**26.20**	4.00	**4.30**	10.00	**8.32**	6.40	47
New Vim Hog Feed	Cambridge	8.47	12.00	**17.77**	3.00	**7.63**	10.00	**7.32**	5.70	53
New Vim Hog Feed	Hebron	8.27	12.00	**18.95**	3.00	**8.00**	10.00	**6.90**	7.69	50
New Vim Laying Mash	Cambridge	8.65	20.00	**21.76**	3.00	**6.87**	10.00	**7.82**	8.10	46
New Vim Laying Mash	Preston	7.40	20.00	**22.42**	3.00	**6.70**	10.00	**8.20**	7.60	48
New Vim Growing Mash	Preston	9.70	16.00	**18.34**	3.00	**4.80**	10.00	**5.78**	6.40	54
New Vim Scratch Feed	Preston	12.62	9.00	**9.13**	3.00	**2.70**	10.00	**2.17**	2.17	71
*New Vim Scratch Feed (Medium)	Cambridge	9.97	9.00	**9.03**	3.00	**2.38**	10.00	**1.95**	1.25	75
Cannon Valley Milling Co., Minneapolis, Minn.										
Red Dog Pure Wheat Flour	Oakland	10.32	16.00	**19.31**	4.00	**3.62**	4.00	**2.72**	3.08	60
Wheat Flour Middlings, with Ground Wheat Screenings N. Ex. M.R	Oakland	11.72	16.00	**16.94**	5.00	**4.82**	6.00	**7.86**	4.69	53
Wheat Standard Middlings, with Ground Wheat Screenings N. Ex. M.R	Cumberland	18.05	15.50	**16.41**	4.00	**4.10**	9.50	**6.37**	4.01	51
Pure Wheat Bran	Frederick	9.08	14.50	**15.53**	4.00	**5.45**	12.00	**9.75**	6.00	54
Cardiff Milling Co., Cardiff, Md.										
Pure Corn and Oat Chop	Cardiff	11.45	10.00	**10.23**	4.00	**4.55**	5.00	**4.93**	1.95	66
Pure Wheat Bran	Cardiff	11.10	14.00	**15.27**	3.50	**3.77**	10.00	**7.90**	4.90	57
Pure Wheat Middlings	Cardiff	11.87	15.00	**16.50**	3.50	**3.62**	6.00	**2.85**	2.85	62
F. P. Cassel's Son, Lansdale, Penna.										
Chick Manna	Baltimore	8.85	12.00	**12.90**	4.00	**3.76**	3.00	**2.70**	7.00	64
Central Chemical Co., Hagerstown, Md.										
"Grow All" Fish Meal	Middleburg	9.00	55.00	**59.41**	6.00	**6.35**	1.00	**.47**	22.02	2
Central Feed Co., Baltimore, Md.										
A-1 Quality Scratch Grains	Baltimore	10.63	9.00	**10.09**	3.00	**3.08**	4.00	**2.63**	1.60	71
Yellow Yolk Egg Mash, with Dried BM	Baltimore	9.10	20.00	**21.06**	4.00	**5.85**	10.00	**8.10**	8.25	47

* Means deficient in protein or fat.
† Means deficient in both protein and fat.

(A)
(B)
(C)

Ash	Nitrogen Free Extract	INGREDIENTS — GUARANTEED	IDENTIFIED
5.40	29.35		As certified
5.13	29.82		As certified
6.10	25.15		As certified
6.46	28.00		As certified
4.68	53.26	Peanut meal, cotton seed meal, shelled ground corn, wheat flour middlings, ground wheat, wheat bran, ground oats, salt. Ingredients differ from license	As certified
3.99	62.99		As certified
1.54	69.16		As certified
6.66	52.36		As certified
2.76	62.00		As certified
1.49	71.28	Cracked corn, cracked wheat, pin head oats	As certified
7.20	53.25	Fish meal, wheat bran, wheat middlings, corn meal, oat meal, meat meal, dried milk albumen, ash, buttermilk. Ingredients differ from license	As certified
6.40	47.16	Corn gluten feed, corn meal, linseed oil meal, peanut oil meal, dried grains, wheat bran, hominy feed or corn chop, alfalfa meal, ash, soy bean meal	As certified
5.70	53.11	Corn chop or hominy feed, ground wheat screenings, wheat middlings, corn gluten feed, fish meal, alfalfa meal, ash	See below (A)
7.69	50.19	Same as above	As certified
8.10	46.80	Wheat bran, wheat middlings, hominy feed, corn meal, alfalfa meal, corn gluten feed, fish meal, blood meal, meat meal, ash. Ingredients differ from license	As certified
7.60	48.31	Wheat bran, wheat middlings, hominy feed, corn meal, alfalfa meal, peanut oil meal, corn gluten feed, fish meal, blood meal, meat meal, ash	As certified
6.40	54.98	Buttermilk, oat meal, wheat bran, wheat middlings, corn meal, alfalfa meal, milk albumen, fish meal, gluten feed, meat meal, mineral	As certified
2.17	71.21	Cracked corn, wheat, oats, barley, buckwheat, kaffir corn	See below (B)
1.25	75.42	Cracked corn, wheat, buckwheat, kaffir corn	See below (B)
3.08	60.95		As certified
4.69	53.97		As certified
4.01	51.06		As certified
6.00	54.19		As certified
1.95	66.89		As certified
4.90	57.06		As certified
2.85	62.31		As certified
7.00	64.79	Corn, oats, wheat middlings, crackers, gentian, ginger, chalk, anise seed, ferrous sulphate, salt, sulphur, corn starch, meat and bone	As certified
22.02	2.75		As certified
1.60	71.97	Cracked corn, wheat, buckwheat, kaffir corn, barley, recleaned grain screenings from wheat	As certified
8.25	47.64	Corn meal, whole ground oats, wheat bran, wheat middlings, gluten meal, H. G. meat scrap, O. P. oil meal, dried buttermilk	See below (C)

(A) Also detected linseed oil meal.
(B) Also detected milo maize.
(C) Also detected alfalfa meal.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Centreville Milling Co., Centreville, Md.										
Baby Chick Feed	Centreville	12.00	8.00	**9.74**	2.00	**2.52**	5.00	**2.22**	1.62	71.5
Milk Flow Dairy Ration	Centreville	12.25	16.00	**15.97**	3.50	**3.12**	10.00	**7.60**	4.49	56.
Pure Wheat Middlings	Centreville	12.17	.....	**15.36**	.....	**2.79**	.....	**3.47**	3.33	62.8
She Cackle Egg Mash	Centreville	10.85	20.00	**20.36**	4.00	**4.93**	10.00	**7.30**	8.10	48.4
Wheat Bran, with Corn Bran	Centreville	12.10	13.00	**13.43**	3.50	**3.00**	13.00	**10.77**	5.07	55.6
F. B. Chamberlain Co., St. Louis, Mo.										
Perfect Chick Feed	Laurel	10.95	12.50	**13.78**	2.50	**3.03**	5.00	**2.93**	11.15	58.
Chapin & Co., Chicago, Ill.										
Acorn Dairy Feed	Cardova	11.42	20.00	**20.53**	4.00	**4.20**	10.00	**9.02**	8.04	46.
Ajax Dairy Ration	Cumberland	7.52	20.00	**20.28**	4.50	**5.05**	12.00	**9.35**	9.32	48.4
Centaur Feed	Baltimore	8.18	12.00	**13.95**	4.00	**4.63**	8.00	**7.50**	6.90	58.3
Dairy Ration 32%	Cardova	7.47	32.00	**34.92**	5.00	**6.35**	10.00	**8.80**	7.90	34.
Unicorn Dairy Ration	Annapolis	9.97	24.00	**24.75**	5.00	**5.62**	10.00	**9.12**	7.06	43.4
Unicorn Growing Mash, with BM	Cardova	11.72	18.00	**18.43**	4.50	**4.48**	7.00	**5.20**	9.98	50.
Unicorn Pig Meal	Cumberland	9.20	17.50	**18.60**	4.00	**5.57**	8.00	**4.65**	6.45	55.5
Choctaw Cotton Oil Co., Ada, Okla.										
Chief Brand Cotton Seed Cake and Meal	Cardova	6.32	43.00	**43.00**	6.00	**6.95**	12.00	**9.00**	6.90	27.9
Clarksburg Wholesale Co., Clarksburg, W, Va.										
P'D. By Grange Milling & Supply Co., Mt. Lake Park, Md.										
Corn Feed Meal	Mt. Lake Park	12.32	7.00	**9.92**	4.50	**3.35**	2.00	**1.75**	1.26	71.4
J. H. Clusman & Co., Baltimore, Md.										
Ensor Special Horse Feed	Baltimore	9.05	8.00	**10.09**	2.00	**3.25**	9.00	**9.17**	5.56	62.8
Reliance Horse Feed	Baltimore	9.87	8.50	**9.60**	2.50	**3.28**	8.00	**8.70**	5.42	63.1
Reliance Horse Feed	Baltimore	13.50	8.50	**9.31**	2.50	**2.78**	8.00	**8.92**	5.59	59.9
Collis Products Co., Clinton, Iowa.										
Pure Dried Buttermilk	Hampstead	11.07	30.00	**29.92**	5.00	**5.42**	.....	.....	10.12	....
Commander Mill Co., Minneapolis, Minn.										
Wheat Standard Middlings, ground Screenings N. Ex. M. R.	Fullerton	11.02	15.00	**15.18**	5.00	**4.54**	9.50	**10.37**	4.05	54.8
Consolidated By-Products Co., Philadelphia, Penna.										
Beef and Bone Scrap	Maugansville	7.30	45.00	**45.46**	10.00	**10.90**	2.00	**1.52**	34.56	.2
Beef and Bone Scrap	Providence	6.55	45.00	**44.19**	10.00	**14.57**	2.00	**1.57**	31.13	1.9

(A)

Ash	Nitrogen Free Extract	INGREDIENTS — GUARANTEED	IDENTIFIED
1.62	71.90	Cracked corn, cracked kaffir, cracked wheat and millet	See below (A)
4.49	56.57	Bran, middlings, ground barley, corn bran, cotton seed meal, L. O. meal, corn chop, ¼% $CaCO_3$, ¾% salt	As certified
3.33	62.88		As certified
8.10	48.46	Corn meal, bran, middlings, alfalfa meal, ground oats, beef and bone scrap, fish meal, corn gluten, ¾ % salt, ¼ % $CaCO_3$	As certified
5.07	55.63		As certified
11.15	58.16	Wheat, oat meal, charcoal, kaffir, dried buttermilk, meat, milo maize, bone, grit, cod liver oil, millet, clover seed screenings	As certified
8.04	46.79	L. O. meal, corn gluten meal, cotton seed meal, corn gluten feed, flaked white oats, wheat middlings, wheat bran, (to contain ground screenings n. ex.m. r.), hominy meal, corn oil meal, bone charcoal, $CaCO_3$, salt	As certified
9.32	48.48	Cotton seed meal, linseed meal, corn gluten meal, corn gluten feed, dried brewers grains, corn oil meal, wheat middlings, wheat bran, hominy meal, salt, calcium carbonate, (wheat bran and wheat middlings contain M. R. screenings)	As certified
6.90	58.84	Linseed oil meal, hominy feed, corn meal, crushed oats, wheat bran, salt. Ingredients differ from license	As certified
7.90	34.56	Cotton seed meal, linseed oil meal, corn gluten meal, corn oil meal, dried brewers grains, wheat bran, bone charcoal, $CaCO_3$, salt	As certified
7.06	43.48	Cotton seed meal,corn gluten meal, linseed oil meal, corn gluten feed,dried brewers grains, corn oil meal, wheat bran, hominy meal, bone charcoal, salt. Ingredients differ from license	As certified
9.98	50.19	Corn oil meal, corn feed meal, corn gluten meal,oat meal, corn gluten feed, wheat middlings, wheat bran, meat and bone meal, dried buttermilk, not over 5% $CaCO_3$, calcium phosphate. Ingredients differ from license	As certified
6.45	55.53	Dried buttermilk, peanut oil meal, meat and bone meal, corn oil meal, wheat flour middlings, hominy feed, salt,not over 3% calcium carbonate, calcium phosphate	As certified
6.90	27.93		As certified
1.26	71.40		As certified
5.56	62.88	Cracked corn, crushed oats, oat feed, cane molasses	As certified
5.42	63.13	Cracked corn, crushed oats, oat feed, cane molasses, alfalfa meal	As certified
5.59	59.90	Same as above	As certified
10.12	.....		As certified
4.05	54.84		As certified
34.56	.26		As certified
31.13	1.99		As certified

(A) Also detected milo maize.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Concentrated Feed Products Co., Baltimore, Md.										
*Hy-Prot Meat and Bone Scrap	Baltimore	5.38	45.00	**41.45**	10.00	**9.50**	2.00	**2.23**	39.30	2.
*Hy-Prot Meat and Bone Scrap	Hagerstown	5.40	45.00	**45.02**	10.00	**8.10**	2.00	**1.83**	38.00	1.
*Hy-Prot Meat and Bone Scrap	Westminster	6.83	50.00	**49.93**	10.00	**7.18**	3.00	**1.95**	33.11	1.
†Hy-Prot Meat and Bone Scrap	Baltimore	5.63	50.00	**48.12**	10.00	**6.43**	3.00	**2.43**	36.40	.
*Hy-Prot Meat and Bone Scrap	Elkton	6.18	50.00	**49.37**	10.00	**7.75**	3.00	**2.20**	33.90	.
†Hy-Prot Meat and Bone Scrap	Westminster	6.65	50.00	**48.81**	10.00	**7.48**	3.00	**1.73**	34.95	.
*Hy-Prot Meat and Bone Scrap	Baltimore	6.00	50.00	**49.14**	10.00	**7.75**	3.00	**2.10**	34.01	1.
*Hy-Prot Meat and Bone Scrap	Baltimore	7.32	50.00	**49.06**	10.00	**7.07**	3.00	**1.75**	34.77	.
Hy-Prot Meat and Bone Scrap	Cumberland	5.85	50.00	**52.21**	10.00	**12.77**	3.00	**3.25**	24.41	1.
*Hy-Prot Meat Scraps	Baltimore	5.55	55.00	**54.32**	10.00	**8.05**	3.00	**2.35**	28.73	1.
†Hy-Prot Meat Scraps	Baltimore	7.10	55.00	**53.97**	10.00	**8.90**	3.00	**1.85**	27.40	.
Hy-Prot Cod Liver Meal	Cardova	5.25	55.00	**55.86**	14.00	**22.92**	3.00	**1.35**	2.91	11.
*Hy-Prot 50% Digester Tankage	Medford	6.37	50.00	**46.64**	5.00	**11.52**	5.00	**4.35**	25.67	5.
Hy-Prot 50% Digester Tankage	Sparks	6.45	50.00	**50.02**	5.00	**10.45**	5.00	**5.35**	22.92	4.
Hy-Prot 50% Digester Tankage	Walkersville	7.30	50.00	**53.00**	5.00	**9.15**	5.00	**4.10**	23.22	3.
*Hy-Prot 60% Digester Tankage	Baltimore	8.90	60.00	**57.94**	5.00	**7.38**	4.00	**2.74**	18.25	4.
*Hy-Prot 60% Digester Tankage	Cumberland	10.93	60.00	**49.81**	5.00	**8.65**	4.00	**1.88**	24.65	4.
Hy-Prot Fish Meal	Elkton	7.75	55.00	**60.99**	6.00	**8.38**	1.00	**1.00**	17.40	4.
Hy-Prot Fish Meal	Chestertown	7.95	55.00	**60.39**	6.00	**7.00**	1.00	**.35**	19.85	4.
Hy-Prot Fish Meal	Baltimore	8.30	55.00	**61.21**	6.00	**8.75**	1.00	**.78**	15.80	5.
Hy-Prot Fish Meal	Baltimore	9.80	55.00	**55.46**	6.00	**9.13**	1.00	**.78**	18.00	6.
*Poultry Bone	Baltimore	8.17	20.00	**24.22**	2.00	**1.27**	5.00	**1.40**	63.57	1.
Hy-Prot Fish Meal	Hagerstown	8.32	55.00	**60.60**	6.00	**8.30**	1.00	**.47**	18.69	3.
G. E. Conkey Co., Cleveland ,Ohio.										
Conkey's Buttermilk Meat, Grain and Bone Laying Mash	Hagerstown	9.00	20.00	**19.92**	5.00	**6.03**	6.00	**5.35**	8.75	50.
Conkey's Buttermilk Grain and Bone Starting Feed	Hagerstown	9.60	14.00	**14.92**	3.00	**5.48**	4.00	**4.64**	4.90	60.
Conkey's Chick Grains	Hagerstown	9.85	11.00	**12.46**	2.50	**3.43**	2.00	**1.68**	1.70	70.
Conkey's Growing Grains	Hagerstown	10.05	13.00	**12.99**	2.50	**3.35**	2.00	**1.65**	1.50	70.
Gecco Scratch Grains	Baltimore	11.50	10.50	**11.23**	3.00	**2.95**	5.00	**2.25**	1.36	70.
Superior Scratch	Hagerstown	11.15	9.00	**9.65**	2.50	**2.42**	3.00	**2.20**	1.22	73.
Continental Grain Co., New York, N. Y., P'D. By Hayward & Co., Baltimore, Md.										
Holland Beet Pulp	Baltimore	8.87	7.00	**7.46**	.25	**.40**	20.00	**18.55**	3.14	61.
Continental Milling Co., Baltimore. Md.										
Middlings	Baltimore	10.35	15.00	**16.06**	4.00	**4.52**	8.50	**5.95**	4.20	58.
Middlings	Baltimore	11.60	15.00	**15.18**	4.00	**4.55**	8.50	**5.30**	3.91	59.
Middlings	Baltimore	10.42	15.00	**15.80**	4.00	**4.57**	8.50	**5.52**	4.09	59.
Bran	Baltimore	11.05	14.50	**14.92**	4.00	**4.48**	9.50	**8.10**	5.89	55.
Corn Products Refining Co., New York, N. Y.										
Buffalo Corn Gluten Feed	Westminster	9.55	23.00	**26.28**	2.00	**2.18**	8.50	**8.65**	5.10	48.
Buffalo Corn Gluten Feed	Hampstead	9.97	23.00	**25.85**	2.00	**2.65**	8.50	**7.82**	6.02	47.
Diamond Corn Gluten Meal	Walkersville	8.35	40.00	**43.40**	1.00	**2.72**	4.00	**3.67**	1.40	40.
Horse and Mule Feed	Baltimore	8.96	9.00	**9.74**	2.50	**3.02**	12.00	**10.74**	3.58	63.
Corvallis Co., Portland, Oregon., P'D. By Baltimore Feed & Seed Co., Baltimore, Md.										
Peerless Pure Gold Medal Brand Dried Buttermilk	Baltimore	8.38	32.00	**34.84**	5.00	**4.99**	1.00	**.78**	13.83	37.

* Means deficient in protein or fat.
† Means deficient in both protein and fat.

Fibre Guaranteed	Fibre Found	Ash	Nitrogen Free Extract	Ingredients Guaranteed	Ingredients Identified
.00	2.23	39.30	2.14		As certified
.00	1.83	38.00	1.65		As certified
.00	1.95	33.11	1.00		As certified
.00	2.43	36.40	.99		As certified
.00	2.20	33.90	.60		As certified
.00	1.73	34.95	.38		As certified
.00	2.10	34.01	1.00		As certified
.00	1.75	34.77	.03		As certified
.00	3.25	24.41	1.51		As certified
.00	2.35	28.73	1.00		See below (A)
.00	1.85	27.40	.78		See below (B)
.00	1.35	2.91	11.71		See below (C)
.00	4.35	25.67	5.45		As certified
.00	5.35	22.92	4.81		As certified
.00	4.10	23.22	3.23		As certified
.00	2.74	18.25	4.79		As certified
.00	1.88	24.65	4.08		As certified
.00	1.00	17.40	4.48		As certified
.00	.35	19.85	4.46		As certified
.00	.78	15.80	5.16		As certified
.00	.78	18.00	6.83		As certified
.00	1.40	63.57	1.37		As certified
.00	.47	18.69	3.62		As certified
.00	5.35	8.75	50.95	Buttermilk, corn meal, corn feed meal, ground barley, bean meal, wheat bran, wheat middlings, oil meal, bone, meat scrap, ¾ % salt	As certified
.00	4.64	4.90	60.46	Oat meal, wheat middlings, corn meal, corn feed meal, buttermilk, bone, blood flour	As certified
.00	1.68	1.70	70.88	Cracked wheat, oat meal, cracked corn	See below (D)
.00	1.65	1.50	70.46	Medium cracked corn, wheat, hulled oats	As certified
.00	2.25	1.36	70.71	Kaffir corn, wheat, cracked corn, sunflower seed, barley, buckwheat	As certified
.00	2.20	1.22	73.36	Cracked corn, barley, wheat screenings, milo, buckwheat	As certified
.00	18.55	3.14	61.58		As certified
.50	5.95	4.20	58.92	Wheat middlings, wheat bran and ground screenings, N. ex. m. r.	As certified
.50	5.30	3.91	59.46	Same as above	As certified
.50	5.52	4.09	59.60	Same as above	As certified
.50	8.10	5.89	55.56		As certified
.50	8.65	5.10	48.24		As certified
.50	7.82	6.02	47.69		As certified
.00	3.67	1.40	40.46		As certified
.00	10.74	3.58	63.96	Corn, rolled oats, corn sugar molasses, alfalfa meal. Ingredients differ from license	As certified
.0	.78	13.83	37.78		As certified

(A) Also contains tankage.
(B) Misbranded; should be meat and bone scrap.
(C) Misbranded; should be meat and bone scrap. Also detected hoof and horn.
(D) Detected oat groats and not oat meal.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND
Cumberland Milling Co., Cumberland, Md.								
Bran	Cumberland	9.82	14.00	**15.53**	3.50	**4.05**	8.00	**8.80**
*Corn Feed Meal	Cumberland	11.98	10.00	**8.25**	3.00	**2.70**	5.00	**1.93**
Pure Corn and Oat Chop	Cumberland	10.65	10.00	**10.00**	2.50	**4.28**	5.00	**4.93**
*Pure Rye Chop	Cumberland	10.73	13.00	**11.32**	2.00	**1.85**	3.00	**2.35**
*White Middlings	Cumberland	10.80	16.00	**16.23**	4.00	**2.92**	4.00	**2.30**
Wheat Shorts	Cumberland	10.65	16.00	**16.32**	4.00	**4.30**	6.00	**5.60**
Damascus Milling Co., Damascus, Md.								
Milky Way Dairy Feed	Damascus	8.90	24.00	**24.39**	5.00	**5.05**	10.00	**9.77**
Mo-Eg Laying Mash	Damascus	9.87	20.00	**20.88**	5.00	**5.17**	8.00	**8.67**
Pure Wheat Bran	Damascus	10.47	14.00	**14.09**	4.50	**4.60**	9.00	**8.67**
Wheat Middlings	Damascus	12.10	15.00	**15.36**	4.50	**4.80**	5.00	**4.75**
S. P. Davis, Little Rock, Ark.								
Good Luck Brand Cotton Seed Meal	Hampstead	5.40	41.00	**40.32**	6.00	**6.75**	10.00	**10.72**
*Good Luck Brand Cotton Seed Meal	Chestertown	8.15	41.00	**39.89**	6.00	**5.83**	10.00	**12.04**
Good Luck Brand Cotton Seed Meal	Rising Sun	8.50	41.00	**40.89**	6.00	**6.82**	10.00	**11.05**
Steerboy Brand Cotton Seed Meal	Friendsville	7.52	43.00	**43.18**	6.00	**6.85**	10.00	**8.80**
Deal Bros. Milling Co., Cumberland, Md.								
Ho Mo Dairy Feed	Cumberland	8.70	24.00	**24.04**	4.00	**4.67**	10.00	**10.62**
Jersey Brand Scratch Feed	Oakland	12.02	10.00	**10.00**	2.50	**3.07**	8.00	**2.40**
*Jersey Stock Feed	Cumberland	8.40	10.00	**8.43**	4.00	**4.45**	8.00	**13.65**
Jersey Stock Feed	Cumberland	8.82	10.00	**9.52**	4.00	**4.85**	8.00	**14.40**
Jersey Stock Feed	Cumberland	9.20	8.00	**8.51**	3.00	**3.50**	12.00	**13.55**
*Jersey Stock Feed	Oakland	6.25	10.00	**8.60**	4.00	**3.70**	8.00	**15.52**
†Jersey Stock Feed	Oakland	9.97	10.00	**8.42**	4.00	**3.06**	8.00	**16.32**
Denver Alfalfa Milling & Products Co., La mar, Colo.								
*Leafalfa Meal	Hagerstown	9.65	17.00	**14.83**	2.00	**1.60**	26.00	**29.00**
Alfalfa Meal	Hyattsville	7.28	12.00	**15.22**	1.00	**1.47**	35.00	**32.55**
Derwood Mill, Derwood, Md.								
Pure Wheat Bran	Derwood	11.77	14.00	**15.97**	4.00	**4.27**	9.00	**6.32**
Pure Wheat Middlings	Derwood	12.15	15.00	**15.80**	4.00	**3.55**	5.00	**3.02**
Devilbiss Bros., New Windsor, Md.								
A. I. Laying Mash	New Windsor	10.25	20.00	**21.41**	4.00	**5.72**	8.00	**8.20**
Albert Dickinson Co., Chicago, Ill.								
Dickinson's Corn Feed Meal	Baltimore	12.68	9.00	**9.56**	4.00	**3.93**	5.00	**4.10**
Dickinson's Globe Breeding Feed	Cumberland	9.53	15.00	**15.36**	2.50	**3.13**	4.50	**3.75**
Dickinson's Globe Chick Scratch, with grit	Cumberland	9.23	10.00	**10.35**	2.50	**2.28**	3.75	**1.73**
Dickinson's Globe Chick Starter, with BM	Baltimore	10.38	18.00	**17.99**	4.00	**4.75**	4.50	**5.08**
Dickinson's Globe Egg Mash	Cumberland	10.17	20.00	**20.36**	4.00	**4.67**	6.50	**6.77**

* Means deficient in protein or fat.
† Means deficient in both protein and fat.

Ash	Nitrogen Free Extract	INGREDIENTS — GUARANTEED	IDENTIFIED
6.03	55.77		As certified
1.10	74.04		See below (A)
1.60	68.54		As certified
1.80	71.95		As certified
1.94	65.81		As certified
3.91	59.22		See below (B)
7.39	44.50	Wheat bran, oat middlings, corn meal, peanut meal, salt, cotton seed meal, alfalfa meal, calcium carbonate	As certified
10.18	45.23	Wheat bran, wheat middlings, corn meal, oat middlings, ground alfalfa, bone and meat scrap, 1% salt	As certified
5.62	56.55		As certified
3.71	59.28		As certified
6.08	30.73		As certified
6.01	28.08		As certified
6.20	26.54		As certified
6.96	26.69		As certified
6.55	45.42	Corn gluten feed, cotton seed meal, oil meal, wheat bran, ground oats, corn feed meal, salt. Ingredients differ from license	As certified
2.34	70.17	Corn, wheat, buckwheat, kaffir, oats, milo	As certified
4.36	60.71	Ground corn, ground oats, grain screenings ground, cotton seed meal, reground oat shorts, ½ % salt	See below (C)
5.20	57.21	Corn, oats, cotton seed meal, oat middlings, grain screenings, salt. Ingredients differ from license	See below (D)
5.60	59.64	Corn, oats, cotton seed meal, oat middlings, grain screenings, salt. Ingredients differ from license	See below (E)
5.70	60.23	Corn, oats, cotton seed meal, oat middlings,grain screenings, salt. Ingredients differ from license	See below (F)
5.70	56.53	Corn, oats, cotton seed meal, oat middlings, grain screenings, salt. Ingredients differ from license	See below (F)
9.10	35.82		As certified
6.75	36.73		As certified
4.39	57.28		As certified
2.86	62.62		As certified
8.92	45.50	Wheat middlings, wheat bran, hominy feed, meat scrap, oil meal, corn gluten feed, oat feed, alfalfa meal	As certified
1.40	68.33		As certified
2.40	65.83	Wheat, kaffir, peas, hulled oats, hemp, buckwheat, vetch. Ingredients differ from license	As certified
7.68	68.73	Corn, wheat, kaffir, oats hulled, millet, grit	As certified
10.90	50.90	B M., sifted meat scraps, corn feed meal, oat flour, wheat flour middlings, fine ground alfalfa meal, bone meal, 2% $CaCO_3$, ½ % salt	As certified
9.72	48.31	Fine ground meat scrap, corn gluten feed, linseed oil meal, wheat bran, wheat middlings, corn feed meal, fine ground alfalfa meal, $CaCO_3$, ½ of 1% salt	As certified

(A) Appears to be corn meal.
(B) Detected ground screenings.
(C) Unable to detect cotton seed meal; detected reground oat feed and not reground oat shorts.
(D) Unable to detect cotton seed meal; ground oats are present as declared, but reground oat feed (oat middlings, oat hulls, oat shorts) is also added.
(E) Unable to detect cotton seed meal.
(F) Unable to detect cotton seed meal, also detected oat hulls (reground oat feed).

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND
Albert Dickinson Co., Chicago, Ill.—Cont.								
Dickinson's Globe Egg Mash	Cumberland	10.52	20.00	**20.88**	4.00	**4.92**	6.50	**6.90**
Dickinson's Globe Egg Mash	Cumberland	9.40	20.00	**20.53**	4.00	**4.90**	6.50	**7.62**
Dickinson's Globe Egg Mash, with BM	Baltimore	10.88	20.00	**19.92**	4.00	**5.18**	6.00	**5.83**
Dickinson's Globe Fattening Mash, with D. B. M.	Fullerton	10.40	14.50	**17.11**	4.50	**5.42**	4.00	**3.80**
Dickinson's Globe Fattening, Mash without D. M. B.	Fullerton	10.52	12.50	**14.48**	4.50	**4.57**	4.50	**3.95**
Dickinson's Globe Growing Mash, with B. M	Baltimore	10.23	18.00	**17.99**	4.00	**5.20**	5.50	**5.53**
Dickinson's Globe Horse Feed Heavy Grain	Baltimore	10.15	9.00	**11.14**	1.50	**3.75**	15.00	**9.35**
Dickinson's Globe Horse Feed, without Alfalfa Meal	Fullerton	11.10	10.00	**9.96**	2.50	**4.34**	8.00	**6.86**
Dickinson's Globe Poultry Scratch	Baltimore	12.25	10.00	**11.06**	2.50	**3.70**	3.75	**3.10**
Dickinson's My-Lassie Dairy Feed	Cumberland	11.34	16.00	**17.53**	4.00	**4.09**	12.00	**8.54**
Rival Dairy Feed	Cumberland	10.60	16.00	**19.26**	4.00	**4.32**	10.00	**10.70**
Rival Poultry Scratch	Baltimore	11.33	10.00	**10.39**	2.50	**2.53**	5.00	**3.30**
Stag Stock Feed	Cumberland	8.20	10.00	**15.54**	3.00	**4.27**	12.00	**11.57**
White Cross Horse Feed	Fullerton	9.80	10.00	**10.27**	2.50	**4.33**	8.00	**6.10**
Dietrich & Gambrill Inc., Frederick, Md.								
Canton Horse Feed	Baltimore	10.40	7.00	**8.58**	2.00	**2.82**	12.10	**11.90**
Canton Scratch Feed	Baltimore	10.57	10.00	**10.00**	3.00	**2.97**	6.00	**2.87**
Dietrich and Gambrill Dairy Feed	Baltimore	8.70	20.00	**23.40**	4.00	**4.33**	12.00	**10.98**
Dietrich and Gambrill Dairy Feed	Frederick	9.05	20.00	**23.03**	4.00	**4.46**	12.00	**10.90**
Feeding Corn Meal	Berwyn	12.32	10.00	**10.53**	4.00	**4.97**	5.00	**4.17**
Frederick Chick Feed	Frederick	10.68	10.00	**11.67**	3.00	**7.23**	6.00	**2.58**
Frederick Scratch Feed	Frederick	12.13	10.00	**10.27**	3.00	**3.68**	6.00	**3.25**
Gambrill's A. I. Dairy Ration	Frederick	11.35	24.00	**27.73**	4.00	**4.88**	12.00	**10.08**
Gambrill's Chick Feed	Lewistown	11.15	10.00	**11.23**	3.00	**4.77**	6.00	**2.02**
Gambrill's Chick Feed	Frederick	11.35	10.00	**10.79**	3.00	**5.33**	6.00	**2.38**
Gambrill's Chick Starter, with BM	Lewistown	10.23	14.00	**16.03**	3.50	**3.68**	7.00	**3.00**
Gambrill's Dairy Feed	Frederick	11.50	16.50	**17.55**	3.50	**5.20**	14.00	**12.90**
Gambrill's Developing Scratch Feed	Sykesville	11.77	10.00	**10.27**	3.00	**4.22**	6.00	**3.47**
Gambrill's Growing Mash, with BM	Baltimore	9.75	16.00	**17.90**	3.00	**5.80**	8.00	**5.52**
Gambrill's High Protein Dairy Ration	Baltimore	6.74	32.00	**33.77**	5.00	**5.87**	9.00	**8.00**

Ash	Nitrogen Free Extract	INGREDIENTS — GUARANTEED	IDENTIFIED
9.49	47.29	Same as above	As certified
8.10	49.45	Same as above	As certified
8.10	50.09	B M., fine ground meat scrap, wheat middlings, wheat bran, oat flour, fine ground alfalfa meal, corn gluten feed, corn feed meal,linseed oil meal,2% CaCO3, ½ of 1%salt	As certified
3.70	59.57	Dried B M., ground corn, rolled oats, oat flour, wheat red dog flour, wheat flour middlings, linseed oil meal, corn oil cake meal, ½ % salt	As certified
3.01	3.44	Ground corn, rolled oats, oat flour, wheat red dog flour, wheat flour middlings, linseed oil meal, corn oil cake meal, ½ % salt	As certified
9.15	51.90	B M., sifted meat scraps, corn feed meal, oat flour, soy bean oil meal, wheat middlings, ground barley, fine ground alfalfa meal, corn oil cake meal, bone meal, 2% CaCO3, salt	As certified
3.50	62.11	Cracked corn, crushed oats, linseed oil meal, molasses, alfalfa meal. Ingredients differ from license	As certified
3.44	64.30	Cracked corn, crushed oats, linseed oil meal, molasses, salt	As certified
1.70	68.19	Corn, wheat, barley, oats, kaffir, buckwheat, 1% linseed oil meal, ½ % sunflower	As certified
7.34	51.16	Old process linseed oil meal, cotton seed meal, corn gluten feed, wheat bran, 1% salt, ground grain screenings, molasses, 1% calcium carbonate	As certified
6.99	48.13	Corn gluten feed, ground barley, linseed oil meal, cotton seed meal, corn feed meal, wheat bran, wheat middlings, ground screenings from (wheat, oats, barley, kaffir) 1% salt	As certified
1.40	71.05	Corn, wheat, barley, oats, kaffir, buckwheat, sunflower	As certified
9.32	51.10	Corn feed meal, wheat middlings, wheat bran, cotton seed meal, oat meal by-product, salt	See below (A)
2.39	67.11	Crushed oats and cracked corn	As certified
5.18	61.12	Cracked corn, crushed oats, alfalfa meal, oat feed (oat hulls and oat middlings), oat clipps, molasses, ½ of 1% salt	As certified
1.60	72.99	Cracked corn, wheat, barley, oats, recleaned grain screenings from wheat, kaffir corn, buckwheat. Ingredients differ from license	As certified
7.56	45.03	Cotton seed meal, linseed meal, gluten feed, wheat bran, ground grain screenings, reground oat feed, corn feed meal, cane molasses, salt, CaCO3	As certified
7.89	44.67	Same as above	As certified
2.22	65.79		As certified
2.30	65.54	Cracked corn, cracked wheat, recleaned grain screenings from wheat, millet	As certified
1.55	69.12	Cracked corn, wheat, barley, buckwheat, oats, recleaned grain screenings, sunflower seed, milo maize, kaffir corn	As certified
6.40	39.56	Cotton seed meal, linseed oil meal, wheat bran, wheat middlings, gluten feed, alfalfa meal, corn feed meal, molasses, CaCO3, salt. Ingredients differ from license.	See below (B)
2.44	68.39	Cracked corn, cracked wheat, recleaned grain screenings from wheat, millet	As certified
2.15	68.00	Same as above	As certified
6.45	60.61	Oat meal, corn meal, wheat middlings, peanut meal, fish meal, malt flour, dried buttermilk, minerals. Ingredients differ from license	As certified
6.45	46.40	Molasses, cotton seed meal, linseed meal, ground screenings, oat feed, ground corn, salt, CaCO3. Ingredients differ from license	See below (C)
1.77	68.50	Cracked corn, wheat, milo maize, kaffir corn	As certified
7.56	53.47	Wheat middlings, wheat bran, oat meal, corn meal,gluten meal, bone meal, meat scrap, fish meal, dried buttermilk, cod liver oil. Ingredients differ from license	As certified
7.20	38.42	Cotton seed meal, O. P. linseed meal, peanut meal, soy bean meal, gluten feed, wheat bran, brewers grains, molasses, bone meal, CaCO3, salt. Ingredients differ from license	As certified

(A) Also detected linseed meal.
(B) Also detected ground oats.
(C) Also detected alfalfa and unground screenings.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND
Dietrich & Gambrill, Inc., Frederick, Md.—Cont.								
Gambrill's High Protein Dairy Ration	Monrovia	7.92	32.00	**33.86**	5.00	**5.62**	9.00	8.50
Gambrill's Hog Meal	Boyd	12.33	18.00	**20.93**	4.00	**5.03**	8.00	6.00
Gambrill's Horse Feed	Berwyn	12.80	9.00	**9.66**	3.00	**3.86**	10.00	7.20
Gambrill's Laying Mash	Frederick	10.73	20.00	**20.71**	3.50	**5.30**	8.00	7.35
Gambrill's Pigeon Feed	Frederick	11.60	13.00	**15.32**	3.00	**3.08**	4.00	3.80
Gambrill's Scratch Feed	Frederick	9.59	10.00	**10.71**	3.00	**3.30**	6.00	2.70
Pet Horse Feed	Baltimore	12.10	7.00	**7.20**	2.00	**1.87**	12.10	13.47
D. W. Dietrich & Co., Philadelphia, Penna.								
Wheat Flour Middlings, with Mill run of Screenings	Frederick	10.88	15.00	**16.67**	4.00	**4.95**	6.00	5.50
T. M. Dinsmore & Co., Baltimore, Md.								
"Protein Brand" Dried Grains	Baltimore	8.15	20.00	**21.24**	6.50	**6.92**	18.50	17.10
C. N. Draper, Greensboro, Md.								
*O. K. Laying Mash	Greensboro	11.60	20.00	**21.06**	5.50	**4.42**	6.00	5.17
Eagle Mills, Pocomoke, Md.								
Pure Wheat Bran	Pocomoke	7.42	14.00	**14.48**	3.50	**3.37**	10.00	8.60
Pure Wheat Bran	Pocomoke	10.32	14.00	**13.95**	3.50	**3.72**	10.00	8.77
Pure Wheat Middlings	Pocomoke	11.95	15.00	**15.62**	3.50	**4.42**	5.00	3.97
Pure Wheat Middlings	Pocomoke	10.75	15.00	**16.67**	3.50	**4.85**	5.00	4.77
R. C. D. Laying Mash, with BM	Pocomoke	9.55	18.00	**19.39**	5.00	**5.92**	8.00	5.90
R. C. D. Laying Mash, with BM	Pocomoke	10.98	18.00	**17.99**	5.00	**5.30**	8.00	7.15
Eagle Roller Mill Co., New Ulm, Minn.								
Gold Coin Chick Feed	Friendsville	11.40	10.50	**11.06**	2.50	**3.22**	4.25	1.92
Pure Wheat Bran	Union Bridge	10.95	15.00	**15.62**	4.00	**4.77**	12.00	10.12
Wheat Standard Middlings, with Sreenings	Baltimore	11.75	15.00	**15.36**	4.00	**4.57**	9.50	8.75
Wheat Standard Middlings, with Sreenings	Baltimore	9.45	15.00	**16.06**	4.00	**5.15**	9.50	8.85
Early & Daniel Co., Cincinnati, Ohio.								
Rex Scratch Feed	Annapolis	12.20	9.00	**9.65**	2.50	**2.83**	5.00	1.85
Tuxedo BM. Starter and Growing Mash	Annapolis	10.97	17.00	**18.43**	4.50	**4.48**	7.00	5.52
Tuxedo Chop	Baltimore	10.16	10.00	**11.00**	3.00	**4.20**	10.00	7.94
Tuxedo Dairy	Baltimore	11.90	24.00	**24.22**	5.00	**5.15**	9.00	8.88
*Tuxedo Dairy	Annapolis	10.20	24.00	**24.31**	5.00	**4.34**	9.00	6.07
Tuxedo Egg Mash	Annapolis	10.02	20.00	**22.33**	5.00	**4.68**	7.50	7.40
Tuxedo Hog Ration	Annapolis	11.15	14.50	**17.07**	3.50	**3.20**	7.00	5.62

* Means deficient in protein or fat.

Ash	Nitrogen Free Extract	INGREDIENTS — GUARANTEED	IDENTIFIED
8.01	36.09	Same as above	As certified
5.50	50.21	Wheat middlings, corn feed meal, tankage, O. P. linseed meal, peanut meal, alfalfa meal, cane molasses, calcium carbonate, salt	As certified
3.74	62.74	Cracked corn, crimped oats, alfalfa meal, molasses, salt	As certified
9.90	46.01	Wheat middlings, wheat bran, corn meal, alfalfa meal, gluten meal, fish meal, bone scrap. Ingredients differ from license	See below (A)
1.80	64.40	Milo maize, kaffir corn, peas, cracked corn, buckwheat, hemp, millet, wheat	See below (B)
1.60	72.10	Cracked corn, wheat, barley, buckwheat, recleaned grain screenings, sunflower, milo maize, kaffir corn	See below (C)
6.21	59.15	Crushed oats, cracked corn, oat feed, (oat hulls and middlings), oat clipped by-product, molasses, ½ of 1% salt	As certified
4.40	57.60		As certified
3.21	43.38	Corn ,barley, malt, malt sprouts, rye	As certified
7.64	50.11	Wheat bran, corn meal, ground oats meat meal, wheat middlings	As certified
5.43	60.70		
5.39	57.85		As certified
3.52	60.52		As certified
3.62	59.34		As certified
6.16	53.08	Dried buttermilk,meat scrap,corn feed meal,ground oats, alfalfa meal, wheat bran, wheat middlings, salt, charcoal	As certified
6.50	52.08	Same as above	As certified
1.65	70.75	Cracked corn, cracked wheat, cracked kaffir corn, millet seed	See below (D)
6.30	52.24		As certified
4.75	54.82		As certified
4.00	56.49		As certified
1.68	71.79	Barley, corn, buckwheat, oats, kaffir corn, sunflower seed, wheat	As certified
4.61	55.99	Dried buttermilk, oat meal, gluten meal, wheat flour, ground oats, O. P. oil meal, meat meal, corn meal, alfalfa leaf meal, wheat middlings. Ingredients differ from license	As certified
3.59	63.11	Crushed corn, crimped oats, wheat bran, alfalfa meal, barley grains, molasses, salt, ½ of 1%, CaCO3 ½ of 1%. Ingredients differ from license	As certified
5.40	44.45	Corn gluten feed, corn gluten meal, old process oil meal, wheat bran, corn meal, wheat middlings, cotton seed meal, brewers grains, hominy feed, ground oats, molasses. Ingredients differ from license	As certified
5.70	49.38	Wheat middlings, corn gluten meal, corn meal, corn gluten feed, brewers grains, cotton seed meal, O. P. linseed oil meal, ground oats ,wheat bran, hominy feed sweetened with cane molasses. Ingredients differ from license	As certified
8.86	46.71	Alfalfa leaf meal, L. O. meal, corn meal, wheat bran, oat meal, ground wheat, wheat middlings, meat meal. Ingredients differ from license	See below (E)
5.70	57.26	Digester tankage, corn meal, O. P. oil meal, wheat middlings, ground barley, ground oats, gluten feed, alfalfa meal sweetened with cane molasses. Ingredients differ from license	As certified

(A) Also detected meat meal.
(B) Also detected flint corn; unable to detect cracked corn.
(C) Also detected oats.
(D) Unable to detect kaffir corn.
(E) Also detected corn gluten feed.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Early & Daniel Co., Cincinnati, Ohio.—Con	**t.**									
Tuxedo Poultry Fattener	Baltimore	11.80	14.00	**14.74**	4.00	**4.07**	5.00	**5.30**	3.79	6
Tuxedo Poultry Fattener	Baltimore	9.70	14.00	**15.27**	4.00	**5.37**	5.00	**5.45**	4.00	6
Tuxedo Scratch Feed	Annapolis	12.07	10.00	**10.97**	2.50	**2.90**	5.00	**2.83**	2.01	6
Tuxedo Starting Feed	Annapolis	10.25	15.00	**21.94**	4.50	**5.40**	5.00	**4.70**	6.58	5
Easton Milling Co., Easton, Md.										
Pure Wheat Bran	Preston	7.67	14.00	**14.92**	4.00	**4.30**	10.00	**9.05**	6.10	5
Pure Wheat Bran	Easton	10.00	14.00	**14.57**	4.00	**3.82**	10.00	**9.67**	5.86	5
Pure Wheat Middlings	Easton	11.90	15.00	**15.80**	4.00	**4.22**	6.00	**3.57**	2.88	6
East Coast Trading Co., Baltimore, Md.										
Oberco 30-30 Feeding Mixture	Baltimore	3.97	30.00	**30.71**	3.00	**4.20**	9.00	**5.15**	55.33	
*Oberco 30-30 Feeding Mixture	Cockeysville	4.37	30.00	**28.09**	3.00	**3.20**	9.00	**5.60**	58.00	
*Oberco 30-30 Feeding Mixture	Westminster	4.50	30.00	**27.51**	3.00	**3.95**	9.00	**5.90**	55.10	3
*Pure Fish Meal	Derwood	8.07	56.00	**56.25**	8.00	**4.87**	1.00	**1.65**	26.02	. .
Eastern Cotton Oil Co., Norfolk, Va.										
Dutch Maid Cotton Seed Meal	Taneytown	6.02	41.00	**41.59**	5.50	**7.50**	10.00	**11.04**	6.78	2
Soya Bean Meal	Hampstead	6.55	48.00	**49.14**	5.50	**5.97**	8.00	**5.45**	4.95	2
Supreme Cotton Seed Meal	Beltsville	3.45	36.00	**37.06**	5.00	**4.70**	14.00	**15.98**	6.00	3
Eastern States Farmers' Exchange, Springf	**ield, Mass.**									
Hog Meal Open Formula	Denton	8.95	15.00	**17.14**	5.50	**5.85**	6.00	**4.57**	9.14	5
Egg Mash (New Formula)	Denton	9.17	20.00	**23.00**	3.50	**5.45**	7.00	**6.30**	8.69	4
Egg Mash (New Formula)	Hebron	9.42	20.00	**22.20**	3.50	**5.80**	7.00	**6.80**	8.34	4
Egg Mash (Old Formula)	Denton	8.80	18.50	**19.92**	3.50	**5.60**	8.00	**6.30**	7.45	5
Milkmore Dairy Ration	Denton	8.10	24.00	**27.33**	4.50	**5.70**	9.00	**6.80**	8.29	4
Scratch Grains	Denton	10.92	10.00	**10.53**	3.00	**2.95**	4.50	**2.47**	1.55	7
Supplement Dairy Ration	Denton	7.77	32.00	**33.52**	5.00	**5.80**	9.00	**6.27**	8.15	3
A. W. Ecker & Sons, Thurmont, Md.										
24% Dairy Feed	Thurmont	9.30	24.00	**24.75**	5.00	**5.70**	11.00	**9.43**	6.20	4
*Pure Wheat Bran	Thurmont	12.35	14.00	**15.45**	4.00	**3.00**	13.00	**8.72**	6.38	5
*Pure Wheat Middlings	Thurmont	11.52	15.00	**15.36**	4.50	**2.90**	6.00	**3.95**	4.55	6
B. A. Eckhart Milling Co., Chicago, Ill.										
Standard Wheat Middlings, with Ground Recleaned Wheat Screenings	Cumberland	11.87	15.00	**18.12**	4.00	**3.77**	7.00	**7.40**	5.55	5
Standard Wheat Middlings, with Screenings	Baltimore	11.05	15.00	**16.85**	4.00	**3.70**	7.00	**6.92**	4.90	5
Wheat Bran and Screenings	Baltimore	7.30	14.00	**17.34**	4.00	**4.78**	11.00	**8.20**	6.00	5
W. T. Eddington & Son, Federalsburg, Md.										
Best 20% Laying Mash	Federalsburg	7.82	20.71	**20.62**	5.80	**5.54**	5.48	**7.16**	9.17	4
†Best 20% Laying Mash	Federalsburg	9.70	20.71	**19.18**	5.80	**4.80**	5.48	**6.30**	7.60	5
Pure Wheat Bran	Preston	9.15	14.00	**14.04**	4.00	**4.80**	11.00	**7.77**	4.92	5
Pure Wheat Bran	Federalsburg	11.70	14.00	**15.27**	4.00	**4.07**	11.00	**9.82**	6.13	5
*Pure Wheat Middlings	Federalsburg	11.87	16.00	**16.23**	4.50	**3.47**	6.00	**3.07**	2.82	6
†Pure Wheat Middlings	Federalsburg	11.30	16.00	**13.86**	4.50	**3.65**	6.00	**2.62**	2.07	6

* Means deficient in protein or fat.
† Means deficient in both protein and fat.

(A)
(B)

Ash	Nitrogen Free Extract	INGREDIENTS — GUARANTEED	IDENTIFIED
3.79	60.30	Alfalfa meal, corn meal, corn germ meal, wheat flour, wheat middlings, oat meal, ground barley, meat scraps	As certified
4.00	60.21	Alfalfa meal, corn meal, corn germ meal, wheat flour, ground barley, meat scraps	As certified
2.01	69.22	Cracked corn, wheat, buckwheat, barley, kaffir corn, sunflower seed	As certified
6.58	51.13	Dried buttermilk, alfalfa leaf meal, gluten meal, meat meal, wheat flour, oat meal, O. P. linseed oil meal, corn meal, wheat middlings	As certified
6.10	57.96		As certified
5.86	56.08		As certified
2.88	61.63		As certified
55.33	.64	Fish meal, meat meal, bone charcoal, sodium chloride, $CaCO_3$	As certified
58.00	.74	Same as above	As certified
55.10	3.04	Same as above	As certified
26.02	.....		As certified
6.78	27.07		As certified
4.95	27.94		As certified
6.00	32.81		As certified
9.14	54.35	Yellow corn meal, meat meal, wheat flour middlings, O. P. linseed oil meal, steamed bone, salt, $CaCO_3$	See below (A)
8.69	47.39	Wheat flour middlings, corn gluten feed, ground oats, yellow corn meal, wheat bran, meat scraps	As certified
8.34	47.44	Same as above	As certified
7.45	51.93	Yellow corn meal, wheat flour middlings, ground oats, standard wheat bran, meat scrap	As certified
8.29	43.78	Corn gluten feed, O. P. linseed oil meal, cotton seed meal, yellow hominy feed, corn distillers grains, bran, standard middlings, ground oats, molasses, bone meal, salt, $CaCO_3$	As certified
1.55	71.58	Cracked yellow corn, wheat, barley, oats	As certified
8.15	38.49	Corn gluten meal, cotton seed meal, linseed oil meal, wheat bran, corn distiller dried grains, molasses, bone meal, salt, $CaCO_3$	As certified
6.20	44.62	Corn and cob meal, wheat middlings, wheat bran, oat chop, corn distiller grains, gluten meal, brewers grains, linseed oil meal, cotton seed meal	See below (B)
6.38	54.10		As certified
4.55	61.72		As certified
5.55	53.29		As certified
4.90	56.58		As certified
6.00	56.38		As certified
9.17	49.69	Corn meal, wheat middlings, wheat bran, ground oats, gluten, ground alfalfa, meat scrap, fish scrap, oil meal, charcoal, salt. Ingredients differ from license	As certified
7.60	52.42	Same as above	As certified
4.92	59.32		As certified
6.13	53.01		As certified
2.82	62.54		As certified
2.07	66.50		As certified

(A) Also detected ground oats.
(B) Also detected salt.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Englar & Sponseller, Westminster, Md.										
Meadow-Brook Laying Mash	Westminster	8.90	20.45	**21.59**	5.50	**5.45**	10.75	**10.95**	9.80	43.
Pure Wheat Bran	Westminster	12.57	15.50	**15.71**	3.28	**4.17**	10.27	**9.47**	6.21	51.
Wheat middlings, with M. R. Screenings	Westminster	10.60	16.00	**15.71**	4.00	**4.10**	6.00	**4.10**	2.74	62.
Wheat Middlings, with M. R. Screenings	Westminster	12.95	16.00	**16.67**	4.00	**4.57**	6.00	**4.05**	4.52	57.
C. Frank Ensor Feed & Supply Co., Cockeysville, Md.										
Oberco Laying Mash, with Dried Buttermilk	Cockeysville	10.03	20.00	**20.18**	5.00	**5.15**	8.00	**6.10**	14.25	44.
Oberco Laying Mash, with Dried Buttermilk	Cockeysville	9.35	20.00	**21.85**	5.00	**5.40**	8.00	**6.18**	13.10	44.
John W. Eshelman & Sons, Lancaster, Penna.										
Eshelman's Baby Chick Starter	Hampstead	8.33	10.00	**15.89**	4.00	**5.90**	5.00	**4.45**	3.45	61.
Corn Feed Meal	Baltimore	11.15	8.00	**9.65**	3.00	**3.78**	4.00	**2.45**	1.40	71.
Eshelman's Conestoga 18% Dairy Feed	Westminster	10.34	18.00	**19.69**	3.50	**5.57**	10.00	**11.02**	7.30	46.
Eshelman's Garden Spot Horse Feed	Fallston	9.70	7.00	**8.03**	2.00	**2.55**	10.00	**10.10**	6.36	63.
Eshelman's Golden Rod 25% Dairy Feed	Westminster	9.25	25.00	**25.80**	5.00	**5.65**	10.00	**10.50**	6.48	42.
Eshelman's Golden Rod 25% Dairy Feed	Baltimore	9.18	25.00	**26.50**	5.00	**6.34**	10.00	**10.78**	5.86	41.
Eshelman's Growing Mash	St. Michaels	10.85	16.00	**17.64**	4.00	**3.97**	8.00	**7.50**	4.90	55.
Eshelman's Hog Meal	Baltimore	10.43	16.00	**17.20**	5.00	**4.60**	8.00	**7.00**	5.70	55.
Eshelman's Intermediate Chick Feed	Reisterstown	11.25	10.00	**11.06**	3.00	**2.53**	3.00	**1.58**	1.20	72.
Eshelman's Laying Mash	Baltimore	9.40	20.00	**21.50**	5.00	**5.70**	7.00	**5.75**	8.55	49.
Eshelman's Meat and Bone Scrap	Massey	6.23	55.00	**54.46**	10.00	**10.98**	2.00	**2.08**	26.22	.
Eshelman's 32% Mixing Ration	Fallston	7.77	32.00	**32.00**	5.00	**5.33**	9.00	**9.49**	5.88	39.
*Eshelman's Red Rose Dairy Feed	Hampstead	8.50	24.00	**21.95**	4.00	**4.58**	10.00	**9.78**	6.57	48.
Eshelman's Red Rose Dairy Feed	Colora	10.53	24.00	**23.96**	4.00	**5.30**	10.00	**12.19**	6.80	41.
Eshelman's Red Rose 85 Horse Feed	Annapolis	7.05	9.00	**10.64**	3.00	**3.49**	10.00	**7.13**	6.67	65.
Eshelman's Red Rose 85 Horse Feed	Berwyn	12.80	9.00	**10.58**	3.00	**3.33**	10.00	**8.33**	3.57	61.
Eshelman's Pennsy 16% Dairy Feed	Hampstead	9.90	16.00	**18.64**	3.00	**5.39**	10.00	**11.35**	6.83	47.
Eshelman's Special Pigeon Feed	Baltimore	10.98	10.00	**13.73**	3.00	**3.78**	3.00	**4.11**	2.10	65.
Eshelman's Stock Feed	New Windsor	8.97	10.00	**10.88**	3.00	**6.27**	10.00	**7.32**	3.25	63.
Eshelman's Wheat Flour Middlings, with Ground Screenings N. Ex. M. R.	Salisbury	10.62	16.00	**16.06**	4.00	**5.37**	6.00	**5.30**	4.20	58.

* Means deficient in protein or fat.

(A) A
(B) A
(C) A

Ash	Nitrogen Free Extract	INGREDIENTS — GUARANTEED	INGREDIENTS — IDENTIFIED
9.80	43.31	Wheat bran, wheat middlings, meat scraps, alfalfa meal, oil meal, gluten feed, hominy feed, oat feed, charcoal, salt	As certified
6.21	51.87		As certified
2.74	62.75		As certified
4.52	57.24		As certified
14.25	44.29	Dried buttermilk, wheat bran, standard middlings, ground oats, corn meal, beef scrap, oberco, gluten feed, alfalfa meal, oil meal, salt. Ingredients differ from license	As certified
13.10	44.12	Same as above	As certified
3.45	61.98	Oat meal, kiln dried corn meal, cooked and baked wheat feed, wheat middlings, powered buttermilk, 2% bone meal, 2% O. P. oil meal	See below (A)
1.40	71.57		As certified
7.30	46.08	Wheat bran, cane molasses, cotton seed meal, cocoanut oil meal, corn gluten feed, wheat middlings, brewers' dried grains, oil meal, oat meal by-products (oat shorts, oat hulls, oat middlings), reground grain screenings from wheat, alfalfa meal, ½% CaCO3, ½%salt	As certified
6.36	63.26	Cracked corn, crushed oats, cane molasses, clipped oat by-product, ½% salt	As certified
6.48	42.32	Wheat bran, cotton seed meal, corn gluten feed, cocoanut oil meal, wheat middlings, corn gluten meal, oil meal, ground oats, brewers grain, CaCO3, salt	As certified
5.86	41.34	Same as above	See below (B)
4.90	55.14	10% dried buttermilk, meat and fish scraps, wheat middlings, corn feed meal, wheat bran, corn gluten feed, pure oat meal, ground oats, hominy feed, 2% old P. linseed oil meal, 1% alfalfa meal, ½% salt	As certified
5.70	55.07	10% digester tankage and dried buttermilk, corn feed meal, wheat bran, wheat middlings, reground grain screenings from wheat, 2% old process oil meal, 2% charcoal, 1% bone meal, ½% salt	As certified
1.20	72.38	Cracked corn, kaffir corn, wheat, hulled oats, 1% buckwheat	See below (C)
8.55	49.10	20% dried buttermilk, meat and fish scraps, wheat middlings, corn feed meal, wheat bran, ground oats, corn gluten feed, hominy feed, 2% O. P. oil meal, 1% alfalfa meal, ½ % salt	As certified
26.22	.03		As certified
5.88	39.53	Cotton seed meal. corn gluten meal, corn gluten feed, O. P. oil meal, wheat bran, brewers' dried grains, cane molasses, cocoanut oil meal. Ingredients differ from license	As certified
6.57	48.62	Wheat bran, cotton seed meal, wheat middlings, cocoanut oil meal, cane molasses, corn gluten feed, corn gluten meal, brewers' dried grains, O. P. oil meal, re-ground grain screenings from wheat, alfalfa meal, salt, CaCO3	As certified
6.80	41.22	Same as above	As certified
6.67	65.02	Cracked corn, crushed oats, cane molasses, alfalfa meal, ½ %salt	As certified
3.57	61.39	Same as above	As certified
6.83	47.89	Cotton seed meal, cane molasses, cocoanut oil meal, gluten feed, brewers' dried grains, O. P. oil meal, oat meal by-product (oat middlings, oat hulls, oat shorts), reground grain screenings from wheat, CaCO3, salt	As certified
2.10	65.30	Wheat, kaffir corn, peas, hulled oats, buckwheat, 3% hemp, 2% millet, 1/10% flax-seed. Ingredients differ from license	As certified
3.25	63.31	Corn feed meal, hominy feed, ground barley, ground oats, oat meal by-products, wheat middlings, ½ of 1% salt. Ingredients differ form license	As certified
4.20	58.45		As certified

(A) Also detected salt.
(B) Also detected malt sprouts.
(C) Also detected milo maize.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
John W. Eshelman & Sons, Lancaster, Pen	**na.—Cont.**									
Imperial Scratch Feed N. G	Hampstead	11.60	9.00	**10.35**	3.00	**2.60**	4.00	2.85	1.30	71
Pennsy Chick Feed	Reisterstown	10.80	9.00	**11.58**	3.00	**4.10**	3.00	**1.70**	1.75	70
Pennsy Chick Feed	Hampstead	11.43	9.00	**10.88**	3.00	**4.03**	3.00	**1.60**	1.60	70
Pennsy Scratch Feed	Reisterstown	11.58	9.00	**10.00**	3.00	**2.73**	4.00	2.75	1.55	71
Everett, Aughenbaugh & Co., Minneapolis,	**Minn.**									
Pure Wheat Bran	Sparks	10.52	14.50	**16.72**	4.00	**5.87**	11.00	9.17	6.02	51
Pure Wheat Bran	Baltimore	10.22	14.50	**16.67**	4.00	**5.20**	11.00	10.22	6.43	51
Wheat Standard Middlings, with Wheat Screenings	Baltimore	11.50	15.00	**17.95**	3.00	**5.37**	9.50	7.65	5.25	52
Fairmont Creamery Co., Omaha, Neb.										
Pure Flake Buttermilk	Westminster	6.57	32.00	**33.52**	6.00	**6.52**	.....	.....	11.85	...
Pure Flake Buttermilk	Baltimore	6.55	32.00	**34.75**	6.00	**6.30**	.....	.....	10.70	...
Farmers Fertilizer & Feed Co., Westminste	**r, Md.**									
Farmers Favorite Laying Mash	Westminster	9.22	20.00	**21.24**	5.00	**4.60**	10.00	10.05	8.68	46.
Farmers Supply Co., Denton, Md.										
H. W. R. Special 24 Laying Mash	Denton	9.03	24.00	**23.96**	5.00	**5.88**	8.00	6.60	15.00	39.
H. W. R. Special 24 Laying Mash	Denton	9.78	24.00	**23.30**	5.00	**5.63**	8.00	8.50	11.55	41.
Federal Milling & Refrigerating Co., Inc., H	**agerstown, Md.**									
*Corn-Oats-Barley Chop	Hagerstown	9.55	10.00	**11.85**	5.00	**3.48**	9.00	5.85	3.30	65.
†Corn-Oats-Barley Chop	Cumberland	7.42	10.00	**8.95**	5.00	**2.44**	9.00	11.56	4.23	65.
*Corn-Oats-Barley Chop	Hagerstown	10.37	10.00	**10.62**	5.00	**2.92**	9.00	10.07	4.10	61.
Eureka Chick	Hagerstown	10.65	10.00	**11.58**	2.50	**3.50**	5.00	2.90	2.13	69.
Eureka Dairy Feed	Cumberland	9.00	16.00	**16.15**	3.50	**4.55**	12.00	13.22	9.75	47.
*Eureka Dairy Feed	Annapolis	21.87	16.00	**16.06**	3.00	**.99**	14.00	15.37	7.56	38.
Eureka Dairy Feed	Cooksville	12.78	16.50	**18.43**	4.50	**4.35**	10.00	11.71	7.00	45.
Eureka Dairy Feed	Mt. Airy	9.60	16.50	**19.57**	4.50	**4.25**	10.00	12.98	8.57	45.
Eureka Dairy Feed	Hagerstown	10.45	16.50	**23.00**	4.50	**4.30**	10.00	10.05	6.20	46.
Eureka Scratch Feed	Hagerstown	10.85	10.00	**10.44**	2.50	**2.73**	5.00	2.30	1.30	72.
Eureka Scratch Feed	Cumberland	12.10	10.00	**10.35**	3.00	**2.82**	5.00	2.30	1.54	70.
Federal Chick Feed	Hagerstown	10.73	9.00	**11.76**	2.50	**3.88**	5.00	2.40	1.70	69.

* Means deficient in protein or fat.
† Means deficient in both protein and fat.

Ash	Nitrogen Free Extract	INGREDIENTS — GUARANTEED	IDENTIFIED
1.30	71.30	Cracked corn, kaffir corn, barley,wheat, buckwheat, oats, ½ of 1% sunflower seed, recleaned grain screenings from wheat	See below (A)
1.75	70.07	Cracked corn, kaffir corn, cracked wheat, millet, hulled oats	As certified
1.60	70.46	Same as above	As certified
1.55	71.39	Cracked corn, barley, kaffir corn, wheat, buckwheat, oats, recleaned grain screenings from wheat	See below (A)
6.02	51.70		As certified
6.43	51.26		As certified
5.25	52.28		As certified
11.85	.....		As certified
10.70	.....		As certified
8.68	46.21	Bran, linseed oil meal, middlings, corn chop, oat chop, meat scrap, fish meal, charcoal, salt, alfalfa meal. Ingredients differ from license	As certified
15.00	39.53	Wheat bran, wheat middlings, corn meal, alfalfa meal, corn gluten feed, meat scrap, fish scraps, salt	As certified
11.55	41.24	Same as above	See below (B)
3.30	65.97		As certified
4.23	65.40		As certified
4.10	61.92		As certified
2.13	69.24	Corn, millet, wheat, oats, charcoal. Ingredients differ from license	See below (C)
9.75	47.33	Wheat bran, malt sprouts, corn bran, brewers grains, cotton seed meal, oil meal, gluten, oats, screenings or apple pomace, salt. Ingredients differ from license	See below (D)
7.56	38.15	Bran, cotton seed meal, oil meal, malt sprouts,gluten feed,oats,apple pomace, ½ of 1% mineral. Ingredients differ from license	See below (E)
7.00	45.73	Wheat bran, corn bran, brewers grains, cotton seed meal, oil meal, gluten feed, oat screenings or apple pomace, salt. Ingredients differ from license	See below (F)
8.57	45.03	Wheat bran, corn bran, brewers grains, cotton seed meal, oil meal,gluten feed, oat screenings or apple pomace, salt. Ingredients differ from license	See below (F)
6.20	46.00	Wheat bran, salt, corn bran, brewers grains, cotton seed meal, oil meal, gluten feed, oat screenings or apple pomace. Ingredients differ from license	See below (G)
1.30	72.38	Wheat, cracked corn, screenings, barley, kaffir, buckwheat, sunflower, milo. Ingredients differ from license	As certified
1.54	70.89	Wheat, milo, buckwheat, barley, cracked corn, sunflower seed, kaffir. Ingredients differ from license	As certified
1.70	69.53	Kaffir, wheat, corn, millet, steel cut oats, buckwheat, screenings. Ingredients differ from license	See below (H)

(A) Unable to detect kaffir corn; also detected milo maize.
(B) Unable to detect fish meal.
(C) Unable to detect oats and charcoal; also detected kaffir, milo, screenings (flaxseed, weed seed, wild buckwheat, etc.)
(D) Detected screenings and apple pomace.
(E) Detected wheat bran, cottonseed meal, oil meal, gluten feed, malt sprouts, oats, apple pomade, corn by-product (feed meal), oat hulls (regroundoat feed), dried grains, bone, grain screenings.
(F) Also detected calcium carbonate, both apple pomace and oat screenings.
(G) Also detected oat screenings and apple pomace.
(H) Also detected cracked milo.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Federal Milling & Refrigerating Co., Inc., Hagerstown, Md.,—Cont.										
Federal Dairy Feed	Forest Hill	11.30	24.00	**24.57**	3.50	**4.75**	12.00	**9.17**	6.84	43
Federal Dairy Feed	Cumberland	6.20	24.00	**25.10**	3.50	**4.50**	12.00	**9.47**	10.03	44
Federal Dairy Feed	Cumberland	11.57	24.00	**23.61**	3.50	**3.77**	12.00	**9.55**	7.30	44
Federal Dairy Feed	Cooksville	13.40	24.00	**25.80**	3.50	**3.98**	12.00	**8.68**	8.72	39
Federal Dairy Feed	Hagerstown	12.55	24.00	**24.75**	3.50	**4.18**	12.00	**9.05**	8.40	41
Federal Developer Scratch Feed	Hagerstown	10.52	10.00	**10.62**	2.50	**3.52**	5.00	**2.07**	1.59	71
Federal Fancy Wheat Bran	Hagerstown	7.33	15.00	**15.88**	4.00	**4.03**	9.50	**10.35**	6.60	55
Federal Fancy Wheat Middlings	Hagerstown	11.00	15.00	**15.71**	4.00	**4.08**	6.00	**5.40**	3.50	60
Federal Scratch Feed	Cumberland	11.50	10.00	**10.35**	2.50	**3.22**	5.00	**2.32**	2.16	70
Federal Special Scratch	Hagerstown	10.97	10.00	**10.71**	2.50	**3.30**	5.00	**2.57**	1.39	71
*Grow Big Hog Ration	Hagerstown	11.25	14.00	**15.27**	5.00	**3.62**	7.50	**3.97**	6.10	59
*Makes-Em-Grow Mash	Hagerstown	13.23	15.00	**12.96**	4.00	**5.75**	5.00	**3.08**	2.70	62
†Makes-Em-Grow Mash	Cumberland	10.82	15.00	**12.29**	4.00	**2.89**	5.00	**2.47**	4.02	67
*Makes-Em-Lay Mash	Baltimore	7.96	20.00	**20.18**	5.00	**3.98**	8.00	**7.64**	12.16	48
†Matchless Dairy Feed	Baltimore	11.05	20.00	**16.41**	4.00	**2.85**	10.00	**12.70**	6.79	50
†Matchless Dairy Feed	Annapolis	17.07	20.00	**14.92**	4.00	**1.11**	10.00	**14.88**	6.43	45
Pure Corn Meal	Hagerstown	14.57	9.00	**8.03**	3.00	**2.62**	4.00	**.97**	1.59	72
Pure Corn Feed Meal	Hagerstown	10.65	8.00	**9.92**	3.00	**5.22**	6.00	**3.47**	2.05	68
Pure Corn Feed Meal	Cumberland	7.77	8.00	**9.83**	3.00	**4.65**	6.00	**4.25**	2.04	71
*Pure Oat Chop	Hagerstown	9.22	15.00	**11.54**	4.00	**3.90**	10.00	**15.17**	4.46	55
Feed Mor Products Co., Westminster, Md.										
Feed-Mor Meat Meal	Sykesville	7.40	55.00	**55.46**	5.00	**11.10**	4.00	**3.42**	21.20	1
Feed-Mor Meat Meal	Hampstead	6.33	55.00	**55.29**	5.00	**13.88**	4.00	**1.98**	22.10	
*Feed-Mor Meat Meal	Linwood	7.62	50.00	**48.57**	5.00	**13.92**	4.00	**1.57**	26.71	1
Feed-Mor Meat Meal	Derwood	7.80	50.00	**49.84**	5.00	**12.70**	4.00	**2.17**	26.43	1
*Feed-Mor Tankage	Union Bridge	6.85	40.00	**38.46**	5.00	**23.73**	2.50	**4.52**	22.00	4
FELTON & Kelly, Frederick, Md.										
Pure Wheat Bran	Frederick	8.34	15.00	**16.06**	3.00	**3.75**	9.00	**9.52**	5.85	56
Pure Wheat Middlings	Frederick	9.66	15.25	**15.62**	2.50	**3.76**	3.00	**4.20**	2.90	63
Galesburg Molasses Feed Co., Galesburg, Ill.										
Gamo Horse Feed	Baltimore	12.30	10.50	**10.85**	3.50	**3.07**	9.00	**8.68**	4.48	60
Glade Valley Milling Co., Walkersville, Md.										
Gee Vee Laying Mash	Walkersville	9.90	20.00	**21.24**	5.00	**5.17**	6.00	**6.12**	9.10	48
Pure Winter Wheat Bran	Thurmont	7.63	15.00	**16.06**	4.00	**4.60**	12.00	**9.80**	6.20	55
Pure Winter Wheat Bran	Walkersville	7.87	15.00	**16.23**	4.00	**3.86**	12.00	**9.52**	7.20	55
Pure Winter Wheat Middlings	Walkersville	8.48	16.00	**17.38**	4.00	**4.55**	6.00	**3.97**	3.60	62
Globe Brewing & Manufacturing Co., Baltimore, Md.										
Brewers Dried Grains	Annapolis	9.92	20.00	**21.94**	5.00	**6.15**	14.00	**16.98**	3.99	41

* Means deficient in protein or fat.
† Means deficient in both protein and fat.

(A)
(B)
(C)
(D)
(E)
(F)
(G)
(H)
(I)
(J)
(K)

Ash	Nitrogen Free Extract	INGREDIENTS — GUARANTEED	IDENTIFIED
6.84	43.37	Gluten, cotton seed meal, O. P. oil meal, wheat bran, peanut meal, feed meal, ground oats, middlings, salt, CaCO3. Ingredients differ from license	See below (A)
10.03	44.70	Same as above	See below (B)
7.30	44.20	Same as above	See below (C)
8.72	39.42	Same as above	See below (D)
8.40	41.07	Same as above	See below (E)
1.59	71.68	Wheat, kaffir, buckwheat, cracked corn. Ingredients differ from license	See below (F)
6.60	55.81		As certified
3.50	60.31		As certified
2.16	70.45	Wheat, corn, kaffir corn, buckwheat, beef scrap, oats, sunflower seed, barley, charcoal, salt. Ingredients differ from license	See below (G)
1.39	71.06	Corn, barley, wheat screenings, oats	See below (H)
6.10	59.79	Middlings, corn feed meal, ground barley, rye chop, oil meal, tankage, 1% salt	See below (I)
2.70	62.28	Corn meal, middlings, oat meal, dried buttermilk, gluten meal, beef scrap, red dog. Ingredients differ from license	See below (J)
4.02	67.51	Buttermilk, middlings, oat meal, barley meal, corn meal, bone meal, mustard bran, gentian. Ingredients differ from license	As certified
12.16	48.08	Dried buttermilk, corn meal, middlings, beef scrap, alfalfa meal, pulverized oats, oil meal, wheat bran, mineral and salt. Ingredients differ from license	As certified
6.79	50.20	Peanut oil cake meal, cotton seed meal, old process oil meal, malt sprouts, oat middlings, wheat bran, apple pomace, oberco organic mineral	As certified
6.43	45.59	Cotton seed meal, linseed oil meal, wheat bran, wheat middlings, malt sprouts, apple pomace, corn by product (feed meal), gluten feed, mineral matter (charcoal) oat hulls (reground oat feed), CaCO3. Ingredients differ from license	See below (K)
1.59	72.22		As certified
2.05	68.69		As certified
2.04	71.46		As certified
4.46	55.71		As certified
21.20	1.42		As certified
22.10	.42		As certified
26.71	1.61		As certified
26.43	1.06		As certified
22.00	4.44		As certified
5.85	56.48		As certified
2.90	63.86		As certified
4.48	60.62	Cracked corn, crimped oats, molasses, alfalfa meal	As certified
9.10	48.47	Ground oats, wheat bran, ground corn, wheat middlings, beef scraps, gluten meal, charcoal, salt	As certified
6.20	55.71		As certified
7.20	55.32		As certified
3.60	62.02		As certified
3.99	41.02		As certified

(A) Also detected dried brewers' grains and grain screenings.
(B) Also detected malt sprouts.
(C) Also detected malt sprouts, small amount of ground screenings.
(D) Also detected malt sprouts, dried grains and viable weed seeds.
(E) Also detected malt sprouts, dried barley grains and molasses.
(F) Also detected milo maize.
(G) Unable to detect beef scrap, charcoal and salt; also detected milo maize.
(H) Also detected buckwheat.
(I) Also detected ground oats.
(J) Unable to detect gluten meal, meat meal and wheat middlings.
(K) Unable to detect salt.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Louis G. Graul, Fullerton, Md.										
Atlas Egg Mash	Fullerton	9.27	20.00	**21.15**	4.00	**5.47**	6.00	4.67	10.16	45
Atlas Poultry Scratch	Fullerton	11.30	10.00	**11.27**	2.50	**3.17**	3.75	2.85	1.44	69
Green-Mish Co., Washington D. C.										
Duluth Superior Red Dog Wheat Flour	Upper Marlboro	11.60	15.00	**16.19**	3.00	**3.55**	3.00	1.87	2.22	64
Green Tag Cotton Seed Meal	Emmitsburg	6.30	41.00	**41.24**	7.00	**7.07**	10.00	10.95	6.25	28
Green Tag Cotton Seed Meal	Thurmont	6.52	41.00	**41.42**	7.00	**7.35**	10.00	10.12	6.51	28
Green Tag Cotton Seed Meal	Thurmont	6.12	41.00	**41.24**	7.00	**6.77**	10.00	11.00	5.85	29
Green Tag Cotton Seed Meal	Detour	6.25	41.00	**41.86**	7.00	**7.55**	10.00	9.87	6.19	28
Green Tag Cotton Seed Meal	Germantown	7.57	41.00	**42.82**	7.00	**7.00**	10.00	9.37	6.50	26
Green Tag Cotton Seed Meal	Baltimore	7.30	36.00	**36.33**	5.50	**5.69**	14.00	16.44	5.94	28
Green Tag Cotton Seed Meal	Baltimore	6.80	36.00	**35.98**	5.50	**6.62**	14.00	13.95	6.04	30
Green Tag Cotton Seed Meal	Baltimore	6.32	36.00	**37.29**	5.50	**7.25**	14.00	12.37	5.99	30
Green Tag Cotton Seed Meal	Westminster	7.03	36.00	**35.98**	5.50	**5.98**	14.00	15.83	5.40	29
Greensboro Milling Co., Greensboro, Md.										
*Pride of Md. Dairy Feed	Greensboro	11.92	24.00	**20.27**	4.00	**5.17**	10.00	6.90	4.21	51
Pride of Md. Poultry Mash	Greensboro	11.95	18.00	**19.48**	4.50	**4.65**	8.00	7.00	7.43	49
Green Valley Milling Co., Cambridge, Md.										
*Green Valley No. 1 Chick Developer	Cambridge	11.12	9.50	**10.97**	4.00	**3.12**	4.00	2.95	2.04	69
*Green Valley No. 3 Scratch Feed Coarse	Cambridge	11.05	9.50	**10.71**	4.00	**3.12**	4.00	3.25	1.49	70
Pure Wheat Bran	Cambridge	10.00	14.00	**14.48**	4.00	**4.32**	10.00	9.92	6.01	55
Pure Wheat Middlings	Cambridge	11.65	15.00	**15.62**	4.00	**4.55**	5.00	5.10	2.98	60
Hales & Hunter Co., Chicago, Ill.										
*Kingfalfa Horse Feed	Baltimore	12.10	10.00	**8.74**	2.00	**2.92**	15.00	10.70	4.65	60
*Kingfalfa Horse Feed	Baltimore	12.98	10.00	**8.62**	2.00	**2.62**	15.00	10.10	4.56	61
Kingfalfa Horse Feed	Baltimore	11.52	10.00	**9.50**	2.00	**3.02**	15.00	10.65	4.45	60
Red Comb Alfalfa Meal	Laurel	7.60	13.50	**16.76**	1.00	**1.32**	35.00	33.37	9.78	31
†Red Comb Chick Mash, with Dried BM	Baltimore	9.35	18.00	**16.76**	5.00	**4.25**	5.00	4.60	9.52	55
Red Comb Coarse Chick Feed N. G	Baltimore	11.23	10.00	**11.14**	2.50	**3.00**	5.00	2.20	1.10	71
Red Comb Egg Mash, with Dried BM	Baltimore	9.67	20.00	**21.32**	4.50	**5.47**	7.00	5.02	9.58	48
Red Comb Egg Mash, with Dried BM	Baltimore	9.35	20.00	**19.13**	4.50	**5.03**	7.00	5.28	9.20	52
Red Comb Fine Chick, with Grit	Baltimore	10.53	10.00	**11.50**	2.50	**3.83**	5.00	1.80	3.15	69
Red Comb Growing Mash, with Dried DM	Baltimore	9.20	18.00	**18.60**	4.00	**4.20**	5.00	4.40	11.10	52
Red Comb Scratch Feed N. G	Baltimore	11.58	10.00	**10.79**	2.50	**3.00**	5.00	2.68	1.33	70
Dukes T. Hammond, Salisbury, Md.										
H. W. R. Special Laying Mash	Salisbury	7.82	24.00	**25.71**	5.00	**7.25**	8.50	6.62	8.08	44
Hammond Elevator & Warehouse Co., Hammond, Ind.										
Calumet Scratch Feed	Hancock	9.50	10.00	**10.00**	2.50	**3.65**	5.00	4.16	1.86	70
Hampstead Fertilizer Co., Hampstead, Md.										
Home Made Laying Mash (R-E-M)	Hampstead	9.45	20.00	**22.34**	4.50	**6.10**	8.00	8.70	8.11	45
Home Made Laying Mash (R-EM)	Hampstead	10.10	20.00	**23.69**	4.50	**6.33**	8.00	8.80	7.10	43

* Means deficient in protein or fat.
† Means deficient in both protein and fat.

(A)
(B)
(C)

Ash	Nitrogen Free Extract	INGREDIENTS — GUARANTEED	IDENTIFIED
10.16	49.28	Dried buttermilk, fine ground meat scraps, wheat bran, wheat middlings, old process linseed oil meal, corn feed meal, corn gluten feed, oat flour, fine ground alfalfa meal, 2% calcium carbonate, ½ % salt	As certified
1.44	69.97	Corn, wheat, barley, oats, kaffir, buckwheat, 1% sunflower	See below (A)
2.22	64.57		As certified
6.25	28.19		As certified
6.51	28.08		As certified
5.85	29.02		As certified
6.19	28.28		As certified
6.50	26.74		As certified
5.94	28.30		As certified
6.04	30.61		As certified
5.99	30.78		As certified
5.40	29.78		As certified
4.21	51.53	Wheat bran, wheat middlings, corn meal, cotton seed meal, soya bean meal, oil cake meal, wheat screenings, corn bran	As certified
7.43	49.49	Wheat bran, wheat middlings, corn meal, ground oats, ground alfalfa, meat meal, charcoal, salt	See below (B)
2.04	69.80	Fine cracked corn, fine cracked wheat, red or yellow millet	See below (C)
1.49	70.38	Yellow cracked corn, wheat, sunflower seed, kaffir corn, milo, buckwheat, oats or barley	See below C)
6.01	55.27		As certified
2.98	60.10		As certified
4.65	60.89	Cracked corn, rolled oats, rolled barley, clipped oat by-products, alfalfa meal, molasses	As certified
4.56	61.12	Same as above	As certified
4.45	60.86	Same as above	As certified
9.78	31.17	Ground alfalfa hay	As certified
9.52	55.52	Corn feed meal, oat flour, wheat bran, wheat middlings, corn gluten feed, meat scrap, dried buttermilk, calcium phosphate	As certified
1.10	71.33	Wheat, cracked corn, kaffir corn, buckwheat, hulled oats	See below (A)
9.58	48.94	Corn feed meal, oat flour, wheat bran, wheat middlings, corn gluten feed, meat scrap, alfalfa meal, dried buttermilk, not over 5% calcium carbonate	As certified
9.20	52.01	Same as above	As certified
3.15	69.19	Cracked wheat. cracked corn, cracked kaffir corn, steel cut oats not over 5% grit	As certified
11.10	52.50	Corn feed meal, corn gluten feed, oat flour, wheat bran, wheat middlings, meat scraps, dried buttermilk, not over 5% calcium phosphate	As certified
1.33	70.62	Wheat, cracked corn, kaffir corn, oats, barley, buckwheat, sunflower seed	See below (A)
8.08	44.52	Wheat bran, wheat middlings, corn feed meal, oat flour, alfalfa meal, gluten meal, fish meal, meat meal, salt	As certified
1.86	70.83	Cracked corn, wheat, barley, milo, sunflower, oats, wheat screenings, 15% broken wheat, wild buckwheat	As certified
8.11	45.30	Wheat middlings, wheat bran, ground corn, ground oats, meat scrap, fish meal, soy bean meal, corn gluten feed, alfalfa meal, charcoal, salt	As certified
7.10	43.98	Same as above	As certified

(A) Also detected milo maize.
(B) Also detected soy bean meal.
(C) Also detected grain screenings from wheat.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Hampstead Milling Co., Hampstead, Md.										
Winter Wheat Bran (Pure)	Hampstead	8.83	14.00	**15.71**	4.00	**4.60**	10.50	**9.33**	5.60	55.
Winter Wheat Middlings, N. Ex. M. R.	Hampstead	11.48	15.00	**16.15**	4.00	**4.43**	6.00	**5.30**	3.30	59.
Winter Wheat Middlings, N. Ex. M. R.	Westminster	11.65	15.00	**15.88**	4.00	**3.52**	6.00	**3.67**	3.07	62.
Hansen & Barzen Milling Co., Thief River Falls, Minn.										
P'D. By S. F. Scattergood & Co., Phila., Penna.										
H. Wheat Bran, with Ground Screenings N. Ex. M. R.	Fallston	10.35	12.00	**15.63**	4.00	**5.42**	12.30	**9.07**	5.35	54.
H. Middlings, with Ground Screenings	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
N. Ex. M. R.	Fallston	11.62	13.70	**16.24**	3.10	**4.60**	9.50	**7.17**	4.09	56.
Frank Harbaugh, Middleburg, Md.										
Middleburg Special Dairy Feed	Middleburg	8.47	24.00	**24.13**	5.00	**4.75**	9.50	**10.70**	5.56	46.
Use Mor Dairy Feed	Middleburg	9.22	16.50	**18.43**	4.00	**4.40**	10.00	**9.80**	5.35	52.
T. A. Hauschel, Chicago, Ill.										
Malt Sprouts	Hampstead	9.95	24.00	**28.17**	1.50	**1.17**	13.00	**12.05**	6.99	41.
Hebron Milling Co., Hebron, Md.										
*Pure Wheat Bran	Hebron	9.12	14.00	**15.53**	4.00	**3.42**	9.00	**7.92**	5.48	58.
†Pure Wheat Middlings	Hebron	11.90	15.00	**13.81**	4.00	**3.25**	5.00	**2.10**	1.86	67.
Pure Wheat Middlings	Hebron	12.00	15.00	**16.67**	4.00	**3.65**	5.00	**4.47**	3.83	59.
Hecker-H-O Co., Corp., Buffalo, N. Y.										
Algrane Steam-Cooked Chick Feed	Parkton	11.72	12.00	**11.06**	3.00	**2.72**	4.00	**1.40**	1.34	71.
Re-Ground Oat Feed	Cumberland	7.85	5.00	**7.28**	2.00	**2.33**	28.00	**24.10**	6.30	52.
Mrs. D. Roby Hering, Sykesville, Md.										
Laying Mash	Sykesville	9.30	17.00	**20.49**	5.00	**6.70**	11.00	**8.95**	7.70	46.
Pure Wheat Bran	Sykesville	9.55	14.00	**16.06**	3.00	**4.25**	9.00	**7.27**	4.96	57.
Pure Wheat Middlings	Sykesville	12.62	14.00	**14.04**	3.00	**3.10**	6.00	**2.87**	2.44	64.
Hespenheide & Thompson, York, Penna.										
Premier Baby Chick Starter	Manchester	9.40	11.50	**15.45**	4.00	**5.05**	3.75	**3.65**	5.85	60.
Premier Baby Chick Starter	Monkton	10.05	11.50	**15.36**	4.00	**5.70**	3.75	**4.50**	6.42	57.
Premier Growing Mash	Monkton	11.07	17.00	**17.81**	5.00	**4.75**	6.00	**5.60**	8.84	51.
Hickerson Bros., Rockville, Md.										
Wheat Bran, with Corn Bran	Rockville	9.87	14.00	**14.22**	3.00	**4.50**	11.00	**8.37**	4.77	58.
Laying Mash	Rockville	10.27	18.00	**19.66**	4.50	**5.85**	9.00	**5.47**	8.90	49.
Pure Wheat Middlings	Rockville	11.90	13.00	**14.48**	3.00	**4.35**	3.00	**5.25**	3.62	60.
Highspire Flour Mills, Inc., Highspire, Penna.										
Pure Wheat Middlings	Maugansvil'e	12.99	13.00	**13.83**	2.00	**2.29**	4.00	**2.78**	1.80	66.
Pure Wheat Middlings	Maugansville	12.18	13.00	**13.78**	2.00	**2.29**	4.00	**2.83**	1.70	67.
Winter Wheat Bran	Hampstead	10.42	15.00	**15.09**	3.00	**3.62**	9.00	**8.20**	5.80	56.
J. E. Higman, & Sons Millington, Md.										
Pure Wheat Bran	Millington	8.80	13.00	**15.45**	3.00	**4.28**	9.00	**8.93**	6.41	56.
Pure Wheat Middlings	Millington	10.33	14.00	**17.11**	4.00	**5.63**	5.00	**6.03**	4.57	56.
Hirst & Begley Linseed Works, Chicago, Ill.										
Old Process Linseed meal	Annapolis	10.42	34.00	**38.00**	5.00	**6.00**	9.00	**7.27**	5.57	32.

* Means deficient in protein or fat.
† Means deficient in both protein and fat.

(A) A

FIBRE FOUND	Ash	Nitrogen Free Extract	INGREDIENTS GUARANTEED	IDENTIFIED
9.33	5.60	55.93		As certified
5.30	3.30	59.34		As certified
3.67	3.07	62.21		As certified
9.07	5.35	54.18		As certified
7.17	4.09	56.28		As certified
10.70	5.56	46.39	Cotton seed meal, linseed meal, gluten meal, gluten feed, wheat bran, ground oats	See below (A)
9.80	5.35	52.80	Oat feed, corn chop, bran, middlings, oil meal, gluten feed, cotton seed meal	See below (A)
12.05	6.99	41.67		As certified
7.92	5.48	58.53		As certified
2.10	1.86	67.08		As certified
4.47	3.83	59.38		As certified
1.40	1.34	71.76	Cracked corn, cut oat meal, cracked wheat, cracked kaffir, cracked peas	As certified
24.10	6.30	52.14	Oat middlings, oat shorts, oat hulls	As certified
8.95	7.70	46.86	Bran, middlings, corn chop, ground oats, beef scrap, alfalfa, gluten meal, charcoal, salt	
7.27	4.96	57.91		As certified
2.87	2.44	64.93		As certified
				As certified
3.65	5.85	60.60	Oat meal, corn meal, special wheat middlings, powdered buttermilk, rice polish, bone meal, epsom salts	
4.50	6.42	57.97	Same as above	As certified
5.60	8.84	51.93	Ground hulled oats, corn meal, wheat middlings, winter wheat bran, choice me	As certified at
			scraps, fish meal, alfalfa leaf meal, linseed oil meal, powdered buttermilk, 2% charcoal, 1%CaCO3	
8.37	4.77	58.27		As certified
5.47	8.90	49.85	Wheat bran, wheat middlings, ground oats, ground corn, meat meal	As certified
5.25	3.62	60.40		As certified
				As certified
2.78	1.80	66.31		As certified
2.83	1.70	67.22		As certified
8.20	5.80	56.87		As certified
8.93	6.41	56.13		As certified
6.03	4.57	56.33		As certified
7.27	5.57	32.74		As certified

(A) Also detected malt sprouts and dried grains.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND
W. S. Hoge & Bros., Washington, D. C.								
Best Intermediate Chick Feed	Chestertown	11.82	10.00	**10.71**	3.00	**2.85**	3.00	**1.55**
Columbia Dairy Feed	Chestertown	11.80	20.00	**21.94**	4.00	**4.60**	10.00	**10.72**
D. C. Chick Feed	Chestertown	12.33	9.00	**10.18**	3.00	**3.55**	3.00	**1.63**
D. C. Scratch Feed	Chestertown	11.20	9.00	**9.92**	3.00	**3.28**	4.00	**3.33**
Milk Maker Dairy Ration	Clinton	9.80	16.50	**15.76**	3.50	**4.78**	10.00	**10.78**
Hubbard Milling Co., Mankato, Minn.								
Mother Hubbard Sterling Wheat Red Dog	Baltimore	11.45	17.20	**17.95**	4.40	**4.68**	4.00	**2.98**
Standard Mother Hubbard Wheat Fine Middlings, with Screenings	Baltimore	10.65	16.40	**16.67**	5.10	**5.38**	9.10	**9.53**
Standard Mother Hubbard Wheat Fine Middlings, with Screenings	Silver Hill	10.93	16.40	**17.03**	5.10	**6.63**	9.10	**7.83**
J. C. Hubinger Bros. Co., Keokuk, Iowa.								
Keokuk Corn Gluten Feed	Hampstead	10.00	23.00	**24.39**	2.40	**3.92**	7.50	**7.65**
Humphreys-Godwin Co., Memphis, Tenn.								
Bull Brand Cottonseed Meal	Cumberland	5.90	43.00	**43.44**	5.00	**7.15**	10.00	**8.57**
Bull Brand Cottonseed Meal	Grantsville	6.27	43.00	**44.23**	5.00	**7.37**	10.00	**8.85**
Bull Brand Cottonseed Meal	Friendsville	6.57	43.00	**45.19**	5.00	**7.52**	10.00	**8.77**
Bull Brand Cottonseed Meal	Cumberland	8.17	43.00	**43.70**	5.00	**8.10**	10.00	**11.43**
Bull Brand Cottonseed Meal	Easton	7.05	43.00	**42.91**	5.00	**8.22**	10.00	**9.47**
Bull Brand Cottonseed Meal	Grantsville	6.25	43.00	**44.05**	5.00	**5.73**	10.00	**12.59**
Bull Brand Cottonseed Meal	Conowingo	8.30	43.00	**43.70**	5.00	**6.85**	10.00	**11.43**
Danish Brand Cottonseed Meal	Medford	6.70	36.00	**38.17**	5.00	**6.32**	15.00	**13.30**
Danish Brand Cottonseed Meal	Westminster	7.23	36.00	**36.86**	5.00	**5.63**	15.00	**11.23**
Danish Brand Cottonseed Meal	Westminster	8.13	36.00	**38.66**	5.00	**6.35**	15.00	**13.83**
Dixie Brand Cottonseed Meal	Chestertown	8.08	41.12	**41.00**	5.00	**7.73**	10.00	**13.14**
Dixie Brand Cottonseed Meal	Hagerstown	6.02	41.12	**43.44**	5.00	**6.67**	10.00	**8.57**
Dixie Brand Cottonseed Meal	Frederick	7.72	41.12	**40.98**	5.00	**6.75**	10.00	**10.82**
Dixie Brand Cottonseed Meal	Baltimore	8.07	41.12	**42.47**	5.00	**6.42**	10.00	**9.62**
Dixie Brand Cottonseed Meal	Parkton	9.02	41.12	**41.42**	5.00	**8.08**	10.00	**12.81**
Dixie Brand Cottonseed Meal	Cumberland	7.28	41.12	**40.81**	5.00	**6.83**	10.00	**13.21**
Dixie Brand Cottonseed Meal	Cumberland	6.63	41.12	**41.94**	5.00	**6.90**	10.00	**12.79**
Dixie Brand Cottonseed Meal	Frederick	8.65	41.12	**42.38**	5.00	**8.63**	10.00	**12.00**
Dixie Brand Cottonseed Meal	Motters	9.33	41.12	**41.68**	5.00	**7.29**	10.00	**11.52**
Hurlock Milling Co., Hurlock, Md.								
Pure Wheat Bran	Hurlock	7.87	14.50	**15.01**	4.00	**4.02**	9.00	**8.80**
Pure Wheat Bran	Hurlock	9.87	14.50	**14.74**	4.00	**4.45**	9.00	**9.65**
Wheat Middlings	Hurlock	11.45	15.00	**15.62**	4.00	**3.92**	5.00	**5.15**
Wheat Middlings, with Ground Screenings	Hurlock	10.45	15.00	**15.01**	4.00	**3.65**	5.00	**2.97**
J. F. Imbs Milling Co., Belleville, Ill.								
Charm Pure Winter Wheat Bran	Smithsburg	10.40	14.50	**17.81**	3.50	**4.67**	10.00	**8.90**
Independent Manufacturing Co., Philadelphia, Penna.								
Independent's 55% Beef Scrap and Bone	Cambridge	5.65	55.00	**56.43**	8.00	**13.32**	3.00	**1.87**
Independent's 55% Beef Scrap and Bone	Frederick	6.92	55.00	**55.72**	8.00	**8.80**	3.00	**1.92**
*Independent's 55% Beef Scrap and Bone	Denton	5.85	55.00	**53.58**	8.00	**9.65**	3.00	**2.95**

* Means deficient in protein or fat.

Ash	Nitrogen Free Extract	INGREDIENTS — GUARANTEED	IDENTIFIED
2.37	70.70	Cracked corn, kaffir corn, wheat, hulled oats, 1% buckwheat	See below (A)
6.67	44.27	Wheat bran, cotton seed meal, cane molasses, corn gluten feed, corn gluten meal, cocoanut oil meal, O. P. linseed oil meal, wheat middlings, brewers dried grains, reground grain screenings from wheat, alfalfa meal, ½% salt, ½% CaCO3. Ingredients differ from license	As certified
1.46	70.85	Cracked corn, kaffir corn, cracked wheat, millet, hulled oats	As certified
1.57	70.70	Cracked corn, barley, kaffir corn, wheat, buckwheat, oats, recleaned grain screenings from wheat	As certified
6.80	52.08	Wheat bran, cane molasses, cotton seed meal, cocoanut meal, soy bean meal, corn gluten feed, wheat middlings, brewers dried grains, O.P. oil meal, oat meal by-product (oat middlings, oat hulls, oat shorts) reground grain screenings from wheat, alfalfa meal, CaCO3. Ingredients differ from license	As certified
2.70	60.24		As certified
4.60	53.17		As certified
4.60	52.98		As certified
3.85	50.19		As certified
6.93	28.01		As certified
6.83	26.45		As certified
6.69	25.26		As certified
6.80	21.80		As certified
6.30	26.05		As certified
5.60	25.78		As certified
5.60	24.12		As certified
5.40	30.11		As certified
5.10	33.95		As certified
5.50	27.53		As certified
6.20	23.85		As certified
8.04	27.26		As certified
5.83	27.90		As certified
5.70	27.72		As certified
6.14	22.53		As certified
5.70	26.17		As certified
5.40	26.34		As certified
6.60	21.74		As certified
6.85	23.33		As certified
6.35	57.95		As certified
6.15	55.14		As certified
2.26	61.60		As certified
2.85	65.07		As certified
6.44	51.78		As certified
21.01	1.72		See below (B)
26.32	.32		As certified
27.91	.06		As certified

(A) Also detected milo maize.
(B) Detected horn and hoof meal.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Independent Manufacturing Co., Philadelphia., Pa.—Con.										
Independent's 55% Beef Scrap and Bone	Hagerstown	5.45	55.00	**55.11**	8.00	**9.33**	3.00	**2.55**	27.00	
*Independent's 50% Beef Scrap and Bone	Denton	6.28	50.00	**48.41**	8.00	**9.13**	3.00	**1.80**	33.35	1.
*Independent's 50% Beef Scrap and Bone	Denton	5.25	50.00	**47.85**	8.00	**11.38**	3.00	**2.30**	33.15	
Poultry Bone Meal	Hagerstown	10.18	23.00	**24.04**	.50	**.48**	1.00	**1.40**	62.85	2.
Ingleside Milling Co., Ingleside, Md,										
Laying Mash	Ingleside	11.52	17.00	**18.95**	3.50	**3.72**	9.50	**9.00**	8.05	48.
Soft Winter Wheat Bran	Ingleside	11.25	14.00	**15.62**	3.00	**3.15**	8.00	**7.85**	5.32	56.
Soft Winter Wheat Middlings	Ingleside	12.50	14.50	**14.92**	3.50	**3.01**	8.00	**2.80**	3.04	63.
International Milling Co., Minneapolis, Minn.										
Blackhawk Pure Wheat Bran	Elkton	7.75	15.00	**17.20**	3.20	**4.57**	12.00	**9.97**	6.99	53.
Blackhawk Pure Wheat Bran	Frederick	11.77	15.00	**16.50**	3.20	**5.10**	12.00	**9.12**	5.22	52.
Blackhawk Pure Wheat Bran	New Windsor	7.45	15.00	**15.62**	3.20	**5.64**	12.00	**9.35**	5.70	56.
Blackhawk Special Middlings, with Ground Screenings N. Ex. M. R.	Aiken	10.37	16.00	**17.64**	4.00	**4.65**	5.75	**5.30**	3.92	58.
Blackhawk Standard Middlings, with Ground Screenings N. Ex. M. R	Smithsburg	9.65	16.00	**15.97**	4.50	**4.85**	8.50	**8.33**	5.00	56.
International Sugar Feed Co., Minneapolis, Minn.										
International Diamond Dairy Feed	Rockville	8.04	24.00	**26.94**	5.00	**6.91**	10.00	**12.02**	8.71	37.
International Special Dairy Feed	Rockville	9.13	15.00	**15.24**	4.50	**7.69**	12.00	**12.06**	10.09	45.
International Vegetable Oil Co., Atlanta, Ga. P'D By Thomas & Co., Frederick, Md.										
High Grade Cottonseed Meal	Union Bridge	6.02	41.00	**41.42**	6.00	**8.30**	10.00	**10.52**	6.38	27.
Jacob Dold Pack'g Co., Buffalo, N. Y.										
Dold Quality Meat and Bone Scrap	Hagerstown	7.87	50.00	**50.02**	8.00	**8.87**	5.00	**1.75**	30.48	1.
Dold Quality Meat and Bone Scrap	Hagerstown	6.60	45.00	**45.11**	8.00	**10.40**	5.00	**2.35**	33.55	1.
Dold Quality Poultry Bone	Hagerstown	8.10	24.00	**25.97**	2.00	**2.62**	5.00	**.75**	62.52	.
Dold Quality Poultry Bone	Hagerstown	7.95	24.00	**24.57**	2.00	**4.50**	5.00	**.42**	60.42	2.
W. J. Jennison Co., Minneapolis, Minn.										
Sweet Cream Pure Bran	Bel Air	7.17	14.50	**15.62**	4.50	**5.52**	11.50	**10.70**	6.48	54.
R. D. Johnson Milling Co., Cumberland, Md.										
Atlas Chick Feed	Cumberland	10.42	11.50	**12.29**	2.48	**4.92**	3.46	**2.45**	1.86	68.
Atlas Dairy Feed	Cumberland	11.72	20.00	**19.09**	4.00	**4.97**	10.00	**6.95**	5.85	51.
*Atlas Dairy Feed	Cumberland	10.48	20.00	**16.67**	4.00	**5.63**	10.00	**7.70**	5.10	54.
*Atlas Scratch Feed	Cumberland	10.28	11.50	**10.44**	3.46	**3.00**	2.48	**2.93**	1.50	71.
Atlas Stock Feed	Cumberland	8.33	9.00	**9.65**	3.00	**4.13**	12.00	**9.30**	5.05	63.
Pure Buckwheat Middlings	Cumberland	9.10	22.00	**32.52**	4.00	**7.52**	7.00	**8.30**	5.65	36.
Pure Corn Chop	Cumberland	9.47	9.00	**9.83**	4.00	**6.00**	9.00	**3.47**	2.28	68.
*Wheat Bran	Cumberland	11.85	15.02	**15.36**	5.22	**3.72**	8.70	**8.22**	5.63	55.
Wheat Bran and Screenings	Cumberland	8.83	15.02	**15.27**	5.22	**5.00**	8.70	**9.58**	6.35	54.
*White Middlings	Cumberland	10.37	15.02	**17.11**	4.18	**3.42**	3.17	**3.35**	2.44	63.
Wheat Shorts, with Screenings	Cumberland	11.70	16.00	**17.90**	4.00	**3.95**	9.00	**4.72**	3.37	58.

* Means deficient in protein or fat.

Fibre Guaranteed	Fibre Found	Ash	Nitrogen Free Extract	Ingredients Guaranteed	Ingredients Identified
.00	2.55	27.00	.56		As certified
.00	1.80	33.35	1.03		As certified
.00	2.30	33.15	.07		As certified
.00	1.40	62.85	2.45		As certified
.50	9.00	8.05	48.76	Gluten feed, wheat bran, wheat middlings, corn feed meal, alfalfa meal, meat scrap, charcoal, ground oats, salt	See below (A)
00	7.85	5.32	56.81		As certified
00	2.80	3.04	63.73		As certified
00	9.97	6.99	53.52		As certified
00	9.12	5.22	52.29		As certified
00	9.35	5.70	56.24		As certified
75	5.30	3.92	58.12		As certified
50	8.33	5.00	56.20		As certified
00	12.02	8.71	37.38	Corn gluten feed, wheat bran, oil meal, cotton seed meal, molasses, ground screenings from wheat, 2% mineral mixture composed of salt, calcium carbonate, bone meal	
00	12.06	10.09	45.79	Oil meal, cotton seed meal, corn gluten feed, wheat bran, molasses, clipped oat by-product, ground grain screenings, 2% mineral mixture composed of salt, calcium carbonate, bone meal	As certified
00	10.52	6.38	27.36		As certified
00	1.75	30.48	1.01		As certified
00	2.35	33.55	1.99		As certified
00	.75	62.52	.04		As certified
00	.42	60.42	2.14		As certified
50	10.70	6.48	54.51		As certified
46	2.45	1.86	68.06	Cut wheat, milo, yellow corn, indian corn. Ingredients differ from license	See below (B)
00	6.95	5.85	51.42	Corn meal, wheat bran, wheat middlings, cotton seed meal, linseed meal, ground oats, buckwheat middlings, alfalfa meal, 1% salt	See below (C)
00	7.70	5.10	54.42	Corn meal, wheat middlings, wheat bran, cotton seed meal, oats, ground barley, buckwheat middlings, alfalfa, salt	See below (D)
48	2.93	1.50	71.85	Wheat, milo, kaffir, buckwheat, yellow cracked corn, sunflower seed, barley, oats, Ingredients differ from license	See below (E)
00	9.30	5.05	63.54	Corn feed, oat feed, barley feed, salt	See below (F)
00	8.30	5.65	36.91		As certified
00	3.47	2.28	68.95		As certified
70	8.22	5.63	55.22		As certified
70	9.58	6.35	54.97		As certified
7	3.35	2.44	63.31		As certified
00	4.72	3.37	58.36		As certified

(A) Unable to detect gluten feed.
(B) Also detected cut oats and groat.
(C) Also detected whole oats and grain screenings.
(D) Unable to detect cottonseed meal.
(E) Unable to detect barley.
(F) Also detected viable seed, wild buckwheat, buckwheat hulls, shriveled and cracked wheat.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Kansas Flour Mills Corp., Kansas City, Mo. P'D. By Metcalf Bros., Chestertown, Md.										
Big Flake Pure Wheat Bran	Chestertown	10.52	15.00	**17.29**	3.50	**3.85**	11.00	**10.10**	6.98	51.
Keedysville Milling Co., Keedysville, Md.										
Pure Wheat Bran	Keedysville	9.32	15.00	**16.23**	4.00	**4.70**	8.35	**9.46**	6.05	54.
L. Kellum & Co., Baltimore, Md.										
Dry Mash	Baltimore	7.57	16.00	**20.41**	3.50	**4.82**	10.00	**8.62**	11.05	47.
Dry Mash	Baltimore	8.13	16.00	**18.74**	3.50	**5.03**	10.00	**7.93**	15.70	44.
Scratch Grains	Baltimore	11.58	10.00	**11.45**	3.00	**4.13**	5.00	**3.38**	4.15	65.
Scratch Grains	Baltimore	10.80	10.00	**11.93**	3.00	**3.12**	5.00	**3.05**	6.51	64.
KERSHAW Oil Mill, Kershaw, S. C.										
"Palmetto Brand" Cotton Seed Meal	Motters	6.87	41.00	**40.89**	6.00	**7.52**	10.00	**11.60**	5.54	27.
"Palmetto Brand" Cotton Seed Meal	Motters	7.52	41.00	**40.81**	6.00	**6.62**	10.00	**12.62**	5.40	27.
Kieser Milling Co., Toledo, Ohio.										
Apex Mash, with Dried Buttermilk	Cumberland	9.82	20.00	**21.50**	4.00	**5.70**	8.50	**7.77**	9.63	45.
Apex Scratch Grains	Cumberland	11.67	10.00	**10.09**	2.50	**3.12**	4.00	**2.32**	1.13	71.
Beatsall Milk Grains	Cumberland	6.62	22.00	**22.64**	4.50	**5.80**	10.00	**9.47**	6.27	49.
H. H. King Flour Mills Co., Minneapolis, Minn.										
Fancy Brodflake	Hagerstown	8.73	14.50	**14.22**	4.00	**5.58**	11.00	**12.72**	5.68	53.
Fairybow	Cumberland	10.05	15.50	**16.50**	5.00	**5.95**	9.50	**10.42**	5.65	51.
"Modoc"	Cumberland	11.45	16.00	**17.46**	4.00	**4.10**	4.00	**2.70**	2.99	61.
"Modoc"	Sparks	11.50	16.00	**16.94**	4.00	**4.70**	4.00	**3.07**	2.78	61.
King Midas Mill Co., Minneapolis, Minn.										
**Cloverleaf Pure Wheat Brand	Conowingo	8.98	14.50	**15.09**	4.00	**5.43**	12.00	**11.08**	5.51	53.
Snowball Wheat Flour Middlings and Ground Wheat Screenings	Port Deposit	10.15	16.00	**18.74**	4.00	**5.00**	6.00	**5.87**	3.84	56.
Snowball Wheat Flour Middlings and Ground Wheat Screenings	Hancock	11.02	16.00	**16.67**	4.00	**4.62**	6.00	**6.39**	4.14	57.
J. N. Kirk, Middletown, Del.										
Uniform Dairy Ration	Chesapeake City	7.10	24.00	**25.45**	5.00	**5.52**	10.00	**10.55**	5.90	45.
Kline Bros., Inc., Boonsboro, Md.										
Fancy Scratch Grains	Boonsboro	10.80	10.00	**10.71**	2.50	**2.83**	5.00	**2.73**	1.40	71.
Just Right Egg Mash	Boonsboro	7.38	20.00	**19.74**	4.00	**5.95**	8.00	**8.15**	11.60	47.
Pure Winter Wheat Bran	Boonsboro	8.13	14.00	**16.06**	4.00	**4.30**	9.00	**10.60**	6.80	54.
Wheat Middlings, with Mill Run of Screenings	Boonsboro	11.23	17.25	**18.08**	4.23	**4.83**	7.00	**5.38**	4.00	56.

** Paid C. A. Andrews, Conowingo, Md.

(A) A
(B) A
(C) A
(D) A

Ash	Nitrogen Free Extract	INGREDIENTS — GUARANTEED	IDENTIFIED
6.98	51.26		As certified
6.05	54.24		As certified
11.05	47.53	Meat meal, buttermilk, ground corn, alfalfa, shell wheat screenings, flaxseed, cotton seed	As certified
15.70	44.47	Same as above	See below (A)
4.15	65.31	Corn, barley, wheat screenings, bone, hemp, sunflower, kaffir	As certified
6.51	64.59	Corn, barley, wheat screenings, hemp, sunflower, kaffir. Ingredients differ from license	See below (B)
5.54	27.58		As certified
5.40	27.03		As certified
9.63	45.58	Wheat bran, wheat middlings, corn meal, linseed oil meal, corn gluten feed, ground oats, meat and bone scraps, fish meal, dried buttermilk, ¾ of 1% salt, alfalfa meal	As certified
1.13	71.67	Cracked corn, wheat, barley, buckwheat, kaffir corn or milo maize, sunflower seed	See below (C)
6.27	49.20	Middlings, bran, linseed meal, corn gluten feed, hominy feed, beet pulp, salt. Ingredients differ from license	As certified
5.68	53.07	Wheat bran and ground wheat screenings	As certified
5.65	51.43	Wheat standard middlings and pulverized wheat screenings	As certified
2.99	61.30	Low grade wheat flour, fine particles of wheat bran, fibrous offal from tail of mill and pulverized wheat screenings	As certified
2.78	61.01	Same as above	As certified
5.51	53.91		As certified
3.84	56.40		As certified
4.14	57.16		As certified
5.90	45.48	O. P. linseed oil meal, cotton seed meal, peanut meal, gluten feed, dried brewers grains, ground oats, wheat bran, wheat middlings, bone meal, calcium carbonate, salt	As certified
1.40	71.53	Wheat, wheat screenings, corn, kaffir, milo, barley, buckwheat, sunflower seed	As certified
11.60	47.18	Meat scraps, charcoal, ground bone, salt, wheat bran, wheat middlings, ground oats, ground corn, powdered whole and skim milk, St. John's bread starch, powdered egg yolk, calcium phosphate, anise, dried blood and oxide iron.	See below (D)
6.80	54.11		As certified
4.00	56.48		As certified

(A) Also detected wheat bran, beet pulp, ground oats.
(B) Also detected wheat, milo maize and calcium carbonate.
(C) Also detected both kaffir and milo.
(D) Also detected alfalfa meal.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Chas. F. Knock, Frederick, Md.										
Chick Feed	Frederick	11.47	9.00	**10.71**	3.00	**4.65**	5.00	**1.60**	1.88	69
Corn Feed Meal	Frederick	6.50	10.00	**10.31**	3.00	**5.97**	4.00	**3.25**	2.31	71
*Growing Mash, with Buttermilk	Frederick	12.72	15.00	**14.04**	4.00	**3.38**	7.00	**2.96**	5.98	60
Laying Mash	Frederick	10.95	15.00	**17.72**	3.00	**5.98**	7.00	**5.23**	7.60	52
Medium Size Scratch Feed	Frederick	12.15	9.00	**9.92**	3.00	**3.22**	5.00	**2.22**	1.47	71
Scratch Feed	Frederick	9.67	9.00	**9.04**	3.00	**2.65**	5.00	**2.43**	1.20	75
Koller Fertilizer Co., Seitzland, Penna.										
Digester Feeding Tankage	Frederick	7.65	50.00	**51.16**	5.00	**8.25**	4.00	**3.00**	26.27	3
Digester Feeding Tankage	Frederick	10.48	50.00	**56.03**	5.00	**9.25**	4.00	**3.05**	18.30	2
Chas. A. Krause Milling Co., Milwaukee, Wis.										
Amerikorn Dairy Ration	Hampstead	9.18	24.00	**25.45**	5.00	**5.75**	10.00	**11.08**	5.20	43
Badger Chop	Baltimore	10.70	9.50	**10.53**	2.50	**2.80**	5.00	**6.37**	2.09	67
Badger Chop	Baltimore	12.27	9.50	**10.18**	2.50	**2.98**	5.00	**4.30**	1.74	68
Badger Horse and Mule Feed	Baltimore	11.96	8.00	**8.82**	1.00	**2.35**	10.00	**8.55**	3.66	64
Badger Horse and Mule Feed	Baltimore	11.50	8.00	**9.77**	1.00	**3.15**	10.00	**13.18**	3.31	59
Badger 16½% Sweet Dairy	Hampstead	8.19	16.50	**15.68**	6.00	**7.05**	12.00	**12.65**	6.17	50
Bingo Chick Feed	Boyd	12.75	10.00	**11.23**	1.50	**2.05**	5.00	**1.50**	3.20	69
Blue Top Developing Feed N. G.	Baltimore	10.89	10.00	**10.35**	2.50	**3.93**	5.00	**2.05**	1.40	71
Blue Top Egg Mash	Baltimore	11.05	20.00	**19.04**	5.00	**5.88**	7.00	**6.80**	5.20	52
Blue Top Horse Feed	Baltimore	14.00	10.00	**11.26**	1.00	**2.58**	16.00	**9.30**	4.99	57
Blue Top Scratch Feed N. G.	Hampstead	12.78	10.00	**10.71**	2.50	**2.80**	5.00	**2.90**	1.20	69
Blue Top Scratch Feed N. G.	Baltimore	12.25	10.00	**11.14**	2.50	**2.85**	5.00	**2.80**	1.50	69
Cream City Scratch Feed N. G.	Baltimore	12.98	10.00	**10.18**	2.50	**2.85**	5.00	**2.43**	1.20	70
Kookoo Baby Chick Starter Mash	Hampstead	9.60	14.00	**15.53**	4.50	**5.55**	3.00	**7.55**	4.50	57
Kookoo Egg Mash	Hampstead	10.23	20.00	**21.67**	5.25	**6.18**	6.00	**6.33**	6.10	49
Kramco Dairy Ration	Hampstead	9.75	20.00	**21.94**	4.00	**4.02**	11.00	**11.80**	5.68	46
Pep Horse Feed	Baltimore	13.80	10.00	**10.48**	3.00	**2.85**	10.00	**7.78**	3.59	61
Pep Horse Feed	Baltimore	9.68	10.00	**10.02**	3.00	**3.20**	10.00	**10.19**	3.55	63
Sweet Cud Dairy Ration	Centreville	10.45	20.00	**19.91**	4.50	**5.32**	12.00	**12.29**	5.30	46
Ladish Milling Co., Milwaukee, Wis.										
Honor Dairy Feed	Mt. Lake Park	9.87	20.00	**25.14**	5.00	**6.32**	11.00	**10.25**	6.28	42
Lacto 16½% Sweet Dairy Feed	Cumberland	10.00	16.50	**17.38**	3.50	**3.58**	12.00	**11.33**	6.80	50

* Means deficient in protein or fat.

(A) U
(B) U
(C) A
(D) A
(E) A

Fibre Guaranteed	Fibre Found	Ash	Nitrogen Free Extract	INGREDIENTS Guaranteed	Identified
5.00	1.60	1.88	69.69	Cracked wheat, cracked corn, millet seed, buckwheat, hulled oats. Ingredients differ from license	
4.00	3.25	2.31	71.66		See below (A)
7.00	2.96	5.98	60.92	Wheat bran, wheat middlings, ground oat g oats, dried buttermilk, corn meal	As certified
7.00	5.23	7.60	52.52	Beef scrap, buttermilk, wheat bran, wheat middlings, gluten feed, alfalfa, corn feed meal, linseed meal	As certified
5.00	2.22	1.47	71.02	Buckwheat, barley, sunflower seed, cracked corn, wheat	As certified
5.00	2.43	1.20	75.01	Buckwheat, barley, sunflower seed, cracked corn, wheat	See below (B)
					As certified
4.00	3.00	26.27	3.67		As certified
4.00	3.05	18.30	2.89		As certified
9.00	11.08	5.20	43.34	Corn gluten meal, brewers dried grains, corn gluten feed, O. P. linseed oil meal, cotton seed meal, badger hominy feed, wheat bran, wheat middlings with run of screenings, $CaCO_3$, salt, molasses, edible bone meal. Ingredients differ from license	
6.00	6.37	2.09	67.51	Cracked corn, crushed oats	As certified
4.00	4.30	1.74	68.53	Same as above	As certified
8.00	8.55	3.66	64.66	Corn, oats, molasses, oat hulls, salt	As certified
13.00	13.18	3.31	59.09	Corn, oats, molasses, oat clipps, salt	As certified
12.00	12.65	6.17	50.26	Cotton seed meal, dried grains, corn distillers grains, yeast dried grains, malt sprouts, recleaned ground screenings from wheat, O. P. linseed oil meal, oat meal by-product, oat hulls, oat middlings, oat shorts, wheat bran, $CaCO_3$, cane molasses, bone meal, salt	
1.00	1.50	3.20	69.27	Corn, wheat, buckwheat screenings	As certified
2.00	2.05	1.40	71.38	Corn, wheat, milo maize or kaffir corn, millet, buckwheat	See below (C)
6.00	6.80	5.20	52.03	Meat scraps, dried buttermilk, corn gluten meal, wheat bran, wheat middlings (with mill run of screenings), corn flour, badger hominy feed, bone meal, $CaCO_3$, salt	See below (D)
9.00	9.30	4.99	57.87	Corn, oats, molasses, alfalfa meal, salt	As certified
2.00	2.90	1.20	69.61	Wheat, corn, milo maize or kaffir corn, barley, oats, buckwheat, sunflower seed	As certified
2.00	2.80	1.50	69.46	Same as above	As certified
2.00	2.43	1.20	70.36	Wheat, corn, kaffir corn or milo maize, barley, oats, buckwheat, sunflower seed	As certified
7.00	7.55	4.50	57.27	Dried buttermilk, wheat meal, oat meal, corn flour, wheat middlings, wheat bran, alfalfa meal, badger hominy feed, fish meal, bone meal, $CaCO_3$, salt	See below (B)
6.00	6.33	6.10	49.49	Meat scraps, corn gluten meal, fish meal, dried buttermilk, corn flour, wheat bran, wheat middlings, fine alfalfa meal, badger hominy feed, bone meal, salt. Ingredients differ from license	As certified
11.00	11.80	5.68	46.81	Badger hominy feed, beet pulp, linseed oil meal, cotton seed meal, corn gluten feed, wheat middlings, wheat bran with screenings, $CaCO_3$, bone meal, salt, dried brewer grain. Ingredients differ from license	As certified
7.00	7.78	3.59	61.50	Corn, oats, alfalfa meal, molasses, salt	As certified
10.00	10.19	3.55	63.36	Same as above	As certified
12.00	12.29	5.30	46.73	Corn gluten feed, cotton seed meal, L. O. meal, badger hominy feed, wheat bran with mill run of screenings, oat meal mill by-products (oat hulls, oat midds, oat shorts), brewers dried grains, corn distillers grains, Ingredients differ from license	As certified
10.00	10.25	6.28	42.14	Corn gluten feed, prime cotton seed meal, old process linseed oil meal, wheat bran, standard wheat middlings with ground screenings n. ex. m. r., ground oats, corn meal, dried beet pulp, bone meal, $CaCO_3$, salt	As certified
11.00	11.33	6.80	50.91	Gluten feed, cotton seed meal, wheat bran, ground grain screenings, oat middlings, oat shorts, oat hulls, molasses, 1% salt, 1% calcium carbonate	See below (E)
					As certified

(A) Unable to detect buckwheat.
(B) Unable to detect sunflower seed.
(C) Also detected cracked kaffir, milo, cut oats, millet.
(D) Also detected sunflower seed; unable to detect millet.
(E) Also detected alfalfa meal.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Ladish Milling Co., Milwaukee, Wis.—Con	t.									
Record Maker Dairy Feed	Cumberland	9.05	24.00	**26.75**	4.50	**5.77**	12.00	**11.59**	7.14	39
Record Maker Dairy Feed	Mt. Lake Park	8.41	24.00	**26.90**	4.50	**6.10**	12.00	**11.12**	6.66	40
Record Maker Dairy Feed	Cumberland	8.90	24.00	**24.83**	4.50	**4.90**	12.00	**11.50**	6.40	43
True Value Baby Chick Feed	Cumberland	10.50	10.00	**11.14**	3.00	**3.78**	5.00	**1.90**	1.50	71
True Value Egg Mash, with BM	Cumberland	9.38	20.00	**21.76**	4.50	**5.10**	8.00	**6.93**	8.70	48
True Value Dairy Feed	Forest Hill	8.85	24.00	**27.82**	5.00	**5.52**	10.00	**8.70**	6.20	42
True Value Growing Mash, with BM	Cumberland	9.25	18.00	**21.63**	5.00	**5.25**	7.00	**7.30**	7.40	49
True Value Scratch Feed	Cumberland	10.30	10.00	**10.71**	3.00	**3.13**	5.00	**2.70**	3.25	69
True Value Scratch Feed	Cumberland	11.37	10.00	**10.62**	3.00	**3.12**	5.00	**2.82**	2.05	70
Larrowe Milling Co., Detroit, Mich.										
Dried Beet Pulp	Rising Sun	7.85	8.00	**10.00**	.50	**.55**	22.00	**19.58**	4.30	57.
Larro Hog Feed	Reisterstown	9.90	18.00	**18.87**	5.00	**5.33**	10.00	**7.10**	5.40	53.
Larrowe Brand Choice Cotton Seed Meal	Wlliiamsport	8.37	43.00	**43.35**	6.00	**7.87**	10.00	**7.15**	6.38	26.
Larrowe Brand Choice Cotton Seed Meal	Parkton	8.10	43.00	**42.82**	6.00	**7.30**	10.00	**6.92**	6.50	28.
Larro Chick Grains	Silver Springs	11.57	10.00	**12.02**	3.00	**3.33**	3.50	**1.17**	1.34	70.
Larro Chick Grains	Reistertown	11.80	10.00	**11.06**	3.00	**2.89**	3.50	**1.98**	1.15	71.
Larro Chick Starter	Reisterstown	9.38	14.00	**15.36**	4.50	**4.78**	6.50	**4.75**	6.10	59.
Larro Egg Mash	Reisterstown	8.95	19.00	**20.36**	5.00	**5.30**	8.00	**6.43**	11.60	47.
Larro Growing Mash	Silver Springs	10.62	16.00	**17.38**	5.00	**4.65**	6.50	**6.00**	8.62	52.
Larro Growing Mash	Reisterstown	9.60	16.00	**17.64**	5.00	**5.28**	6.50	**5.53**	9.50	52.
Larro Growing Grains	Reisterstown	11.55	10.00	**11.41**	3.00	**3.73**	4.00	**2.33**	1.50	69.
Larro The Ready Ration for Dairy Cows	Dickerson	9.90	20.00	**21.67**	4.00	**4.02**	12.00	**10.55**	5.31	48.
Larro The Ready Ration for Dairy Cows	Silver Springs	10.22	20.00	**21.41**	4.00	**4.02**	12.00	**11.40**	5.84	47.
Larro The Ready Ration for Dairy Cows	Hyattsville	9.53	20.00	**21.40**	4.00	**3.93**	12.00	**10.88**	5.13	49.
Larro Scratch Grains	Reisterstown	12.28	10.00	**10.71**	2.50	**3.70**	4.00	**3.45**	1.80	68.
E. P. Leiter, Funkstown, Md.										
Laying Mash	Funkstown	8.55	20.00	**20.10**	5.00	**5.62**	7.00	**9.39**	11.10	45.
Scratch Feed	Funkstown	10.65	10.00	**10.35**	2.50	**2.97**	5.00	**2.82**	1.80	71.
John T. Lewis & Bros., Co., Philadelphia, P	enna.									
Linseed Cake Meal	Taneytown	8.68	31.00	**32.21**	5.00	**6.30**	10.00	**8.60**	6.40	37.
Linseed Cake Meal	Union Bridge	8.73	31.00	**31.77**	5.00	**5.85**	10.00	**8.55**	6.20	38.
Linseed Cake Meal	Rising Sun	8.37	34.00	**33.08**	5.00	**6.22**	10.00	**8.57**	5.85	37.

(A)
(B)
(C)
(D)
(E)

Fibre Guaranteed	Fibre Found	Ash	Nitrogen Free Extract	Ingredients Guaranteed	Identified
.00	11.59	7.14	39.70	Prime cotton seed meal, old process linseed oil meal, old process copra meal, cocoanut oil meal, corn gluten feed, wheat bran with ground screenings n. ex. m. r., alfalfa meal, pure ground oats, molasses, 1% salt	
.00	11.12	6.66	40.81	Same as above	As certified
.00	11.50	6.40	43.47	Cotton seed meal, linseed oil meal, cocoanut oil meal, corn gluten feed, wheat bran with screenings, alfalfa meal, pure ground oats, molasses, salt. Ingredients differ from license	As certified
.00	1.90	1.50	71.18	Fine cracked corn, cracked wheat, cracked milo or kaffir, oat groats, millet seed	As certified
.00	6.93	8.70	48.13	Dried buttermilk, flour middlings, wheat bran, linseed oil meal, alfalfa meal, corn gluten feed, corn meal, oat meal, meat meal, salt. Ingredients differ from license	See below (A)
.00	8.70	6.20	42.91	Prime cotton seed meal, old process linseed oil meal, corn gluten feed, ground oats, corn meal, wheat bran, standard wheat middlings with ground screenings, salt	As certified
.00	7.30	7.40	49.17	Dried buttermilk, wheat flour middlings, bran, linseed oil meal, alfalfa, corn gluten feed, corn meal, oat meal, meat meal. Ingredients differ from license	As certified
.00	2.70	3.25	69.91	Cracked corn, barley, kaffir corn or milo maize, wheat, buckwheat, sunflower seed	As certified
.00	2.82	2.05	70.02	Same as above	As certified
00	19.58	4.30	57.72		As certified
00	7.10	5.40	53.40	Corn germ meal, O. P. linseed oil meal, hominy feed, digester tankage, standard wheat bran, standard wheat middlings, dried beet pulp, ½ of 1% salt. Ingredients differ from license	As certified
00	7.15	6.38	26.88		As certified
00	6.92	6.50	28.36		As certified
50	1.17	1.34	70.57	Cracked corn, steel cut wheat, steel cut oat groats, cracked milo	As certified
50	1.98	1.15	71.12	Same as above	As certified
50	4.75	6.10	59.63	Yellow hominy feed, fine ground feeding oat meal, standard wheat middlings, dried buttermilk, alfalfa meal, meat scrap, bone meal	See below (B)
00	6.43	11.60	47.36	Fine ground feeding oat meal, standard wheat middlings, meat scraps, yellow hominy feed, standard wheat bran, dried buttermilk, alfalfa meal, bone meal, ¾% salt, ¾% $CaCO_3$	As certified
50	6.00	8.62	52.73	Yellow hominy feed, standard wheat middlings, fine ground feeding oat meal, standard wheat bran, meat scraps, dried buttermilk, alfalfa meal, bone meal, ½% salt, ½% $CaCO_3$	As certified
50	5.53	9.50	52.45	Same as above	As certified
00	2.33	1.50	69.48	Cracked corn, wheat, hulled oats, milo, buckwheat	As certified
00	10.55	5.31	48.55	Cotton seed meal, corn gluten feed, O. P. linseed oil meal, standard wheat bran, standard wheat middlings, dried beat pulp, salt	See below (C)
00	11.40	5.84	47.11	Same as above	As certified
00	10.88	5.13	49.13	Same as above	As certified
00	3.45	1.80	68.06	Cracked corn, wheat, barley, milo, buckwheat, ½% sunflower seed	As certified
00	9.39	11.10	45.24	Wheat bran, wheat middlings, corn meal, oat flour, meat scraps, alfalfa meal, gluten feed, O. P. oil meal, powdered charcoal, salt. Ingredients differ from license	See below (D)
00	2.82	1.80	71.41	Cracked corn, wheat, buckwheat, kaffir corn, barley, sunflower seed	As certified
00	8.60	6.40	37.81		See below (E)
00	8.55	6.20	38.90		As certified
00	8.57	5.85	37.91		As certified
					As certified

(A) Detected kaffir corn and milo maize.
(B) Also detected cracked kaffir corn.
(C) Also detected kaffir.
(D) Also detected kaffir corn.
(E) Also detected milo maize.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Liberty Milling Co., Germantown, Md.										
Baby Chick Feed	Germantown	11.87	10.00	**10.97**	2.50	**2.65**	5.00	**1.60**	1.58	7
*Dairy Feed	Germantown	8.45	16.00	**14.66**	4.00	**4.10**	18.00	**16.70**	6.25	4
Egg Mash	Germantown	10.98	20.00	**20.01**	5.00	**5.13**	7.00	**7.50**	6.40	4
*Egg Mash	Benevola	8.12	20.00	**18.37**	4.50	**5.12**	7.50	**8.32**	11.61	4
Pure Wheat Bran	Germantown	8.80	14.00	**15.27**	4.00	**4.58**	10.50	**10.18**	6.10	5
Scratch Feed	Germantown	12.40	10.00	**10.27**	3.00	**3.08**	5.00	**2.98**	1.40	6
Wheat Middlings, with Mill Run of Screenings	Germantown	12.98	15.00	**16.85**	4.00	**5.03**	6.00	**4.55**	3.50	5
Wheat Middlings, with Mill Run of Screenings	Baltimore	9.62	15.00	**16.67**	4.00	**5.07**	6.00	**5.82**	4.48	5
Oscar E. Litton, Hancock, Md.										
*Buckwheat Mixed Feed	Hancock	16.25	15.00	**23.30**	4.00	**3.47**	24.00	**4.60**	4.38	4
Pure Corn Meal	Hancock	12.33	9.00	**9.04**	3.50	**4.25**	3.00	**2.10**	1.25	7
Pure Wheat Bran	Hancock	9.13	14.00	**16.37**	3.50	**3.88**	8.00	**7.53**	4.80	5
Pure Wheat Middlings	Hancock	12.17	15.00	**15.09**	4.00	**3.90**	6.00	**2.55**	2.05	6
†Rye Mixed Feed	Hancock	10.90	14.00	**12.68**	2.50	**1.73**	7.00	**2.15**	1.99	7
Loudonville Milling Co., Loudonville, Ohio.										
*Le Grande Soft Winter Wheat Middlings Pure	Union Bridge	11.72	17.00	**15.18**	4.00	**4.06**	7.00	**5.87**	3.71	5
Winter Wheat Middlings, with Screenings	Baltimore	9.32	17.00	**17.02**	4.00	**4.80**	7.00	**5.95**	4.35	5
L. B. Lovitt & Co., Memphis, Tenn.										
"Lovit Brand" 41% Cotton Seed Meal	Derwood	6.62	41.00	**41.51**	6.00	**6.27**	10.00	**11.40**	5.96	2
"Lovit Brand" 41% Cotton Seed Meal	Hagerstown	8.05	41.00	**43.00**	6.00	**7.75**	10.00	**12.05**	6.69	2
"Lovit Brand" 41% Cotton Seed Meal	Monkton	8.82	41.00	**42.56**	6.00	**7.86**	10.00	**11.25**	5.67	2
"Lovit Brand" 41% Cotton Seed Meal	Rising Sun	6.28	41.00	**41.33**	6.00	**6.88**	10.00	**10.08**	6.75	2
"Lovit Brand" 43% Cotton Seed Meal	Hurlock	6.62	43.00	**43.97**	6.00	**8.12**	10.00	**8.52**	6.65	2
Walter F. MacNeal & Co., Baltimore, Md.										
"Guilford" Scratch Feed	Baltimore	11.55	10.00	**10.88**	3.00	**2.72**	4.00	**3.62**	1.65	6
White Middlings, with Ground Screenings N. Ex. M. R	Baltimore	10.02	15.00	**15.36**	4.00	**4.72**	6.00	**6.02**	4.15	5
McMillen Co., Fort Wayne, Ind.										
Jumbo Dairy Feed	Hampstead	10.71	16.00	**17.18**	3.50	**3.90**	12.00	**12.90**	8.22	4
Jumbo Dairy Feed	Hancock	9.05	16.00	**17.91**	3.50	**4.63**	12.00	**11.07**	8.03	4
Universal Chick Feed	Mt. Airy	11.65	9.00	**10.00**	3.50	**2.57**	5.00	**1.52**	1.00	7
Universal Scratch Feed	Manchester	10.88	10.00	**10.79**	3.00	**4.30**	5.00	**2.23**	1.60	7
Wayne Calf Meal	Westminster	10.10	24.00	**25.27**	4.00	**4.83**	6.50	**6.95**	6.80	4
Wayne Chick Feed	Westminster	11.35	9.00	**11.76**	2.50	**2.70**	5.00	**1.90**	1.50	7
Wayne Chick Starter, with Dried Buttermilk	Westminster	10.38	17.00	**18.78**	4.00	**4.35**	6.00	**3.58**	5.50	5

* Means deficient in protein or fat.
† Means deficient in both protein and fat.

(A)
(B)
(C)
(D)

Fibre Guaranteed	Fibre FOUND	Ash	Nitrogen Free Extract	INGREDIENTS — GUARANTEED	IDENTIFIED
5.00	1.60	1.58	71.33	Oat meal, wheat, milo maize, kaffir corn, indian corn	As certified
8.00	16.70	6.25	49.84	Corn chop, wheat bran, oat feed, cotton seed meal, salt	As certified
7.00	7.50	6.40	49.98	Corn gluten feed, meat meal, flake bran, alfalfa meal, ground oats, corn meal, linseed oil meal, wheat bran, wheat middlings, salt. Ingredients differ from license	See below (A)
7.50	8.32	11.61	48.46	Corn gluten feed, meat meal, dried flake buttermilk, ground oats, alfalfa meal, corn meal, linseed oil meal, wheat bran, wheat middlings, ½% salt	As certified
0.50	10.18	6.10	55.07		As certified
5.00	2.98	1.40	69.87	Cracked corn, kaffir corn, buckwheat, barley, wheat, sunflower seed, oats	As certified
6.00	4.55	3.50	57.09		As certified
6.00	5.82	4.48	58.34		As certified
4.00	4.60	4.38	48.00		As certified
3.00	2.10	1.25	71.03		As certified
3.00	7.53	4.80	58.29		As certified
6.00	2.55	2.05	64.24		As certified
7.00	2.15	1.99	70.55		As certified
7.00	5.87	3.71	59.55		As certified
7.00	5.95	4.35	58.56		As certified
0.00	11.40	5.96	28.24		As certified
0.00	12.05	6.69	22.46		As certified
.00	11.25	5.67	23.84		As certified
.00	10.08	6.75	28.68		As certified
.00	8.52	6.65	26.12		As certified
.00	3.62	1.65	69.58	Cracked corn, kaffir corn, wheat, barley, buckwheat, sunflower seed	See below (B)
.00	6.02	4.15	59.73		As certified
.00	12.90	8.22	47.09	Malt sprouts, brewers grains, wheat bran, cotton seed meal, linseed oil meal, corn feed meal, oat hulls, oat middlings, oat shorts, ground screenings from wheat, oats, barley and kaffir, molasses, salt, bone meal	As certified
00	11.07	8.03	49.31	Malt sprouts, brewers dried grains, wheat bran, cotton seed meal, linseed meal, corn feed meal, oat hulls, oat middlings, oat shorts, ground screenings from wheat, oats, barley and kaffir, salt, molasses. Ingredients differ from license	As certified
00	1.52	1.00	73.26	Wheat, kaffir, milo, corn, millet	As certified
00	2.23	1.60	70.20	Cracked corn, wheat, barley, milo, kaffir, oats, buckwheat, sunflower seed	As certified
50	6.95	6.80	46.05	Milk albumen, corn gluten meal, cotton seed meal, cocoanut oil meal, malt sprouts, meal, red dog flour, wheat middlings, wheat bran, bone meal, ½ of 1% salt, molasses	As certified
00	1.90	1.50	70.79	Wheat, corn, kaffir, milo, millet	See below (C)
00	3.58	5.50	57.41	Dried buttermilk, meat scraps, wheat middlings, corn meal, cocoanut oil meal, alfalfa leaf meal, fine ground oat meal, 1% bone meal, cane molasses	See below (D)

(A) Also detected grain screenings.
(B) Also detected milo maize and grain screenings.
(C) Also detected oat groats.
(D) Also detected corn gluten meal.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
McMillen Co., Fort Wayne, Ind.—Cont.										
Wayne Crate Fattener	Hampstead	8.65	15.50	**16.58**	4.50	**5.53**	6.00	**5.29**	4.26	59
Wayne Dairy Feed	Hagerstown	9.97	24.00	**25.27**	4.00	**4.60**	11.00	**10.22**	7.80	42
Wayne Egg Mash, with Dried Buttermilk	Westminster	9.38	20.00	**26.06**	3.70	**4.10**	7.00	**5.48**	11.70	43
Wayne Egg Mash, with DriedButtermilk	Manchester	10.93	20.00	**20.62**	3.70	**4.23**	7.00	**4.95**	9.30	49
Wayne 28% Hog Meal	Cecilton	9.45	28.00	**28.26**	4.50	**5.40**	7.00	**5.37**	12.90	38
Wayne Pigeon Feed (No Corn)	Smithsburg	11.33	10.00	**14.79**	2.50	**2.50**	4.00	**2.88**	1.60	66
Wayne Poultry Developer	Hampstead	10.80	10.00	**11.41**	2.50	**3.77**	5.00	**3.00**	1.94	69
Wayne Special 32% Farm Dairy Ration	Myersville	8.64	32.00	**32.52**	4.00	**4.70**	8.50	**9.65**	6.46	38
Wayne Special 32% Farm Dairy Ration	Manchester	8.33	32.00	**32.44**	4.00	**4.54**	8.50	**9.15**	6.09	39
Wayne Special 32% Farm Mix. Dairy Ration	Baltimore	8.50	32.00	**33.40**	4.00	**4.95**	8.50	**10.39**	6.93	35
Mann Bros. Co., Buffalo, N. Y.										
34%Protein Pure Old Process Linseed Meal	Maugansville	10.37	34.00	**35.80**	6.00	**6.85**	10.00	**8.55**	4.90	33
34%Protein Pure Old Process Linseed Meal	Emmitsburg	8.95	34.00	**34.92**	6.00	**6.98**	10.00	**8.63**	4.90	35
31% Protein Pure Old Process Linseed Meal	Baltimore	10.35	31.00	**31.50**	6.00	**7.05**	10.00	**8.10**	5.12	37
31% Protein Pure Old Process Linseed Meal	Emmitsburg	11.90	31.00	**32.99**	6.00	**7.07**	10.00	**7.62**	5.93	34
31% Protein Pure Old Process Linseed Meal	Westminster	11.65	31.00	**32.47**	6.00	**6.30**	10.00	**8.22**	5.40	35
Mapl-Flake Mills Inc., Chicago, Ill.										
Oat Middlings	Westminster	8.97	16.50	**17.20**	6.00	**5.70**	6.50	**5.20**	3.16	59
Oat Middlings	Baltimore	9.35	16.50	17.38	6.00	**5.75**	6.50	**5.40**	2.95	59
Oat Middlings	Baltimore	8.57	16.50	**16.67**	6.00	**5.95**	6.50	**6.45**	3.25	59
Maple Leaf Milling Co., LTD., Toronto, Canada. P'D. By Traders Feed & Grain Co., Buffalo, N. Y.										
Bonny White Middlings	Cumberland	10.25	16.50	**17.72**	5.00	**4.62**	6.00	**4.30**	2.52	60
Wheat Bran	Hancock	8.67	15.00	**16.15**	3.50	**4.95**	11.50	**9.90**	6.28	54
Marianna Sales Co., Memphis, Tenn.										
"White Mule Brand" Prime 41% Protein Cottonseed Meal	Thurmont	8.90	41.00	**40.02**	6.00	**7.30**	10.00	**13.26**	6.35	24
"White Mule Brand" Cottonseed Meal	Union Bridge	7.42	36.00	**38.79**	5.00	**6.80**	14.00	**11.87**	6.45	28
Maritime Milling Co., Inc., Buffalo, N. Y.										
Bull Brand Chick Feed	Baltimore	12.63	11.00	**10.97**	2.50	**2.83**	4.00	**1.60**	1.30	70
Bull Brand Chick Starter, with Dried Buttermilk	Baltimore	9.55	12.00	**15.32**	4.00	**5.68**	4.00	**4.69**	8.00	56

Ash	Nitrogen Free Extract	INGREDIENTS — GUARANTEED	IDENTIFIED
4.26	59.69	White hominy feed, corn gluten feed, rolled oats, feeding oat meal, ground oats, wheat middlings, red dog, cocoanut oil meal, linseed oil meal, meat scrap, bone meal, molasses	As certified
7.80	42.14	Malt sprouts,brewers dried grains, corn gluten feed, wheat bran, wheat middlings, alfalfa meal, cotton seed meal, linseed oil meal, not over ½ of 1% salt, 1% bone meal, molasses. Ingredients differ from license	See below (A)
11.70	43.28	Dried buttermilk, meat scraps, wheat bran, wheat middlings, corn gluten feed, corn feed meal, ground barley, linseed oil meal, alfalfa meal, molasses. Ingredients differ from license	As certified
9.30	49.97	Dried buttermilk, meat scraps, cocoanut oil meal, wheat bran, wheat middlings, corn gluten feed, corn feed meal, ground barley, linseed oil meal, alfalfa meal, 1% bone meal, molasses	As certified
12.90	38.62	Digester tankage, menhaden fish meal, linseed oil meal, cocoanut oil meal, wheat red dog flour, standard wheat middlings, ground oats, alfalfa meal, cane molasses, potassium, iodide (70 grains per ton), ⅕% iron oxide, 3% $CaCO_3$	As certified
1.60	66.90	Peas, wheat, kaffir, milo, millet, buckwheat	As certified
1.94	69.08	Wheat, cracked corn, kaffir, milo, buckwheat, millet	As certified
6.46	38.03	Corn gluten meal, corn gluten feed, cotton seed meal, linseed oil meal, cocoanut oil meal, malt sprouts, brewers dried grains, wheat bran, cane molasses, 1% special prepared steam bone meal, 1% salt	As certified
6.09	39.45	Same as above	As certified
6.93	35.83	Same as above	As certified
4.90	33.53		As certified
4.90	35.62		As certified
5.12	37.88		As certified
5.93	34.49		As certified
5.40	35.96		As certified
3.16	59.77		As certified
2.95	59.17		As certified
3.25	59.11		As certified
2.52	60.59		As certified
6.28	54.05		As certified
6.35	24.17		As certified
6.45	28.67		As certified
1.30	70.67	Cracked corn, cracked wheat, cracked kaffir corn, cut oat meal, millet, cracked peas	As certified
8.00	56.76	Oat meal, ground wheat, corn meal, meat meal, bone meal, wheat middlings, linseed oil meal, dried buttermilk, charcoal, $CaCO_3$, ½ of 1% salt	As certified

(A) Also detected grain screenings.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Maritime Milling Co., Memphis, Tenn.—Cont.										
*Bull Brand Dairy Ration	Rising Sun	8.82	24.00	**24.13**	6.00	**5.25**	12.00	**10.70**	8.56	42.
Bull Brand Dairy Ration	Baltimore	9.75	24.00	**24.64**	6.00	**5.55**	12.00	**10.80**	7.80	41.
Bull Brand Developing Feed	Federalsburg	12.10	10.00	**11.41**	2.00	**2.82**	5.00	**1.70**	1.36	70.
Bull Brand Growing Mash, with Dried Buttermilk	Baltimore	8.75	18.00	**20.93**	5.00	**6.50**	7.00	**6.28**	9.10	48.
Bull Brand Laying Mash, with Dried Buttermilk	Baltimore	10.23	20.00	**21.76**	5.00	**6.93**	8.00	**7.43**	9.80	43.
Bull Brand Scratch Feed	Owings Mills	10.80	11.00	**10.97**	2.50	**2.63**	4.00	**2.75**	1.40	71.
*Daisy Chick Feed	Federalsburg	12.60	10.00	**11.58**	2.00	**1.47**	4.00	**1.73**	3.28	69.
Daisy Scratch Feed	Baltimore	10.35	9.00	**10.71**	2.50	**2.93**	5.00	**2.80**	1.50	71.
Farmers Mixing Feed	Bel Air	8.15	32.00	**33.87**	5.50	**6.52**	10.50	**11.60**	8.55	31.
Hi Test Dairy Feed	Conowingo	7.60	20.00	**20.45**	5.00	**4.83**	12.00	**13.35**	7.45	46.
Jersey Dry Mash	Bel Air	9.45	18.00	**19.48**	5.00	**6.90**	9.00	**6.80**	6.88	50.
Red E Lay Laying Mash	Bel Air	8.85	18.00	**18.25**	5.00	**6.25**	9.00	**4.85**	12.50	49.
Marshall Hall Milling Co., St. Louis, Mo.										
Palace Pure Wheat Bran	Cumberland	9.77	15.00	**16.41**	4.00	**4.15**	10.00	**9.75**	7.42	52.
Lewis S. Martin, Maugansville, Md.										
Martin's Dairy Ration	Maugansville	9.52	24.00	**29.05**	4.00	**4.95**	12.00	**8.90**	5.13	42.
Martin's Dairy Ration	Maugansville	10.70	20.00	**25.23**	5.00	**5.07**	12.00	**8.60**	5.13	45.
Martin's Dairy Ration	Maugansville	8.82	20.00	**22.77**	5.00	**4.65**	12.00	**13.87**	5.55	44.
*Martin's Growing Mash	Maugansville	11.17	18.00	**20.40**	5.00	**3.43**	8.00	**4.80**	8.56	51.
Martin's Hog Ration	Maugansville	9.75	20.00	**23.21**	3.50	**4.65**	8.00	**6.85**	7.56	47.
*Martin's Hog Ration	Maugansville	11.12	18.00	**21.85**	3.50	**2.65**	8.00	**5.90**	8.50	49.
Martin's Laying Mash	Maugansville	9.42	20.00	**21.50**	5.00	**5.07**	7.00	**5.25**	9.40	49.
Matthews-Howard Co., Inc., La Plata, Md.										
More Cream Dairy Feed	La Plata	10.90	15.84	**16.67**	5.63	**5.14**	9.33	**9.03**	3.10	55.
Pure Brown Middlings	La Plata	12.08	15.18	**16.67**	3.93	**4.98**	4.45	**4.23**	3.40	58.
Pure White Middlings	La Plata	13.63	.....	**11.54**	.....	**2.18**	.....	**2.43**	.70	69.
Pure Wheat Bran	La Plata	9.33	14.30	**15.62**	4.33	**4.20**	10.63	**7.33**	5.15	58.

* Means deficient in protein or fat.

(A) A
(B) A
(C) A
(D) A
(E) D

Fibre Guaranteed	Fibre FOUND	Ash	Nitrogen Free Extract	INGREDIENTS GUARANTEED	INGREDIENTS IDENTIFIED
2.00	10.70	8.56	42.54	Dried brewers grains, dried malt grains, linseed oil meal, cotton seed meal, corn gluten feed, hominy feed, cocoanut oil meal, wheat bran, wheat middlings, CaCO 3, steam bone meal, ¾% salt, (wheat bran and wheat middlings may contain ground screenings not ex. m. r.)	As certified
2.00	10.80	7.80	41.46	Same as above	See below (A)
5.00	1.70	1.36	70.61	Cracked corn, buckwheat, wheat, green split peas, milo maize	See below (B)
7.00	6.28	9.10	48.44	Dried buttermilk, wheat middlings, wheat bran, corn meal, oil meal, ground oats, oat meal, meat scrap, bone meal, fish meal, CaCO3, ½ of 1% salt	As certified
.00	7.43	9.80	43.84	Dried buttermilk, linseed oil meal, wheat bran, wheat middlings, corn gluten feed, hominy feed, corn meal, ground oats, oat middlings, alfalfa meal, meat scrap, bone meal, fish meal, CaCO3, salt	As certified
.00	2.75	1.40	71.45	Crushed corn, kaffir corn or milo maize, wheat, barley, buckwheat, green peas, sunflower seed	See below (C)
.00	1.73	3.28	69.34	Cracked corn, cracked milo and kaffir, cracked wheat, cut oat meal, millet	See below (D)
.00	2.80	1.50	71.71	Cracked corn, buckwheat, kaffir or milo maize, barley, wheat, clipped oats, sunflower seed	See below (E)
.50	11.60	8.55	31.31	Cotton seed meal, O. P. linseed oil meal, corn gluten feed, brewers dried grains, dried malt grains, steam bone meal, CaCO3, 1% salt	As certified
.00	13.35	7.45	46.32	Cotton seed meal, wheat bran, cocoanut oil meal, corn gluten feed, ground oats, linseed oil meal, dried yeast grains, hominy feed, CaCO3,steam bone meal, ¾% salt. Ingredients differ from license	As certified
.00	6.80	6.88	50.49	Dried buttermilk, wheat bran, wheat middlings, ground oats, oat meal, corn meal, meat scrap,(wheat bran and wheat middlings may contain mill run of ground screenings)	As certified
.00	4.85	12.50	49.30	Wheat bran, wheat middlings, corn meal or hominy feed, ground oats, meat scrap, bone meal, fish meal, CaCO3, ½ of % salt, (wheat bran and wheat middlings may contain mill run of ground screenings)	As certified
00	9.75	7.42	52.50		As certified
00	8.90	5.13	42.45	Oil meal, cotton seed meal, brewers dried grains, malt sprouts, wheat bran, wheat middlings, corn gluten. Ingredients differ from license	As certified
00	8.60	5.13	45.27	Oil meal, cotton seed meal, brewers dried grains, malt sprouts, wheat bran, corn gluten, wheat middlings. Ingredients differ from license	As certified
00	13.87	5.55	44.34	Oil meal, cotton seed meal, wheat bran, oat hulls, oat middlings, oat shorts, wheat middlings, corn gluten	As certified
00	4.80	8.56	51.64	Leaf alfalfa meal, wheat bran, wheat middlings, corn meal, dried buttermilk, bone meal, fish meal, and oat nutrients	As certified
00	6.85	7.56	47.98	Shelled corn chop, wheat bran, oil meal, corn gluten, leaf alfalfa meal, tankage middlings, salt	As certified
00	5.90	8.50	49.98	Corn meal, wheat bran, middlings, oil meal, alfalfa meal, corn gluten, tankage, 1% salt	As certified
00	5.25	9.40	49.36	Alfalfa meal, bran, corn meal, middlings, powdered buttermilk, Ingredients differ from license	As certified
33	9.03	3.10	55.16	Wheat bran, cotton seed meal, corn chop, corn bran	As certified
45	4.23	3.40	58.64		As certified
..	2.43	.70	69.52		As certified
63	7.33	5.15	58.37		As certified

(A) Also detected grain screenings.
(B) Also detected kaffir corn.
(C) Also detected oats.
(D) Also detected cracked green peas.
(E) Detected both kaffir corn and milo maize.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Maurice Pincoffs Co., Chicago, Ill. P'D. By Minnigerode & Co., Balto., Md.										
Dried Sugar Beet Pulp	Baltimore	7.13	8.00	**8.07**	.50	**.40**	18.00	**19.70**	4.30	60.
H. S. Mehring, Taneytown, Md.										
Feeding Tankage	Walkersville	10.60	38.00	**39.05**	15.00	**15.72**	4.00	**4.20**	29.32	1.
Mennel Milling Co., Toledo, Ohio.										
Fancy Bran-Winter Wheat Feed Harter	Buckeystown	8.42	15.00	**15.01**	4.00	**4.50**	9.50	**9.65**	6.96	55.
Fancy Bran-Spring Wheat Feed Harter	New Windsor	7.52	15.00	**16.67**	4.00	**5.57**	9.50	**9.75**	6.14	54.
Middlings-Winter Wheat Feed, with Ground Screenings N. Ex. M. R.-Harter	Westminster	10.40	15.00	**16.94**	4.00	**4.35**	6.50	**6.20**	4.10	58.
Henry Mesner & Son, Baltimore, Md.										
E-Z-Fed Baby Chick Feed	Baltimore	11.30	10.00	**11.85**	2.50	**4.90**	5.00	**1.97**	1.40	68.
E-Z-Fed Baby Chick Starter, with BM	Baltimore	10.35	11.50	**12.46**	3.50	**4.81**	5.00	**3.62**	6.37	62.
E-Z-Fed Baby Chick Starter, with BM	Baltimore	10.23	11.50	**12.90**	3.50	**6.25**	5.00	**3.25**	6.20	61.
E-Z-Fed Growing Mash, with BM	Baltimore	8.27	17.00	**18.25**	4.00	**6.40**	10.00	**6.62**	7.83	52.
E-Z-Fed Laying Mash, with BM	Baltimore	8.50	20.00	**22.55**	4.00	**5.83**	10.00	**7.85**	12.10	43.
E-Z-Fed Dairy Feed	Baltimore	8.40	20.00	**20.80**	4.00	**5.18**	12.00	**9.98**	4.70	50.
E-Z-Fed Scratch Feed	Baltimore	11.13	10.00	**10.35**	2.50	**3.10**	5.00	**2.98**	1.80	70.
Metcalf Bros., Chestertown, Md.										
Chester Dairy Feed	Chestertown	7.70	24.00	**24.48**	5.00	**5.05**	10.00	**9.38**	9.43	43.
Chester Laying Mash	Chestertown	9.65	20.00	**23.69**	5.00	**4.70**	10.00	**9.07**	10.41	42.
Chester Laying Mash	Chestertown	7.22	20.00	**22.20**	5.00	**6.67**	10.00	**9.37**	8.75	45.
Kent Dairy Ration	Chestertown	8.10	20.00	**20.62**	4.00	**4.10**	10.00	**9.82**	8.23	49.
Leo H. Michael, Buckeystown, Md.										
Dairy Feed	Buckeystown	10.95	14.00	**17.82**	3.50	**5.05**	7.00	**7.75**	5.10	53.
Hog Feed	Buckeystown	8.34	11.00	**16.59**	4.00	**4.53**	7.00	**5.70**	5.70	59.
Horse Feed	Buckeystown	11.60	10.00	**10.53**	3.50	**4.33**	7.00	**3.78**	3.95	65.
Laying Mash	Buckeystown	9.80	18.00	**19.97**	5.00	**5.60**	12.00	**7.92**	8.20	48.
Pure Winter Wheat Bran	Buckeystown	8.62	15.00	**14.74**	4.00	**3.75**	5.00	**8.52**	5.16	59.
†Pure Wheat Middlings	Buckeystown	12.07	15.00	**13.78**	4.00	**3.27**	5.00	**3.25**	2.26	65.
Scratch Feed	Buckeystown	9.22	9.50	**10.18**	2.50	**3.36**	5.00	**3.44**	1.80	72.
Midland Flour Milling Co., Kansas City, Mo. P'D. By Green-Mish Co., Wash., D. C.										
Bessie Anna Bran	Sykesville	9.77	16.00	**15.88**	3.50	**4.35**	10.00	**10.10**	7.34	52.
Minneapolis Milling Co., Minneapolis, Min n.										
Golden Durum Wheat Flour Middlings	Hampstead	11.75	16.00	**15.97**	5.00	**6.45**	7.50	**7.70**	4.00	54.

† Means deficient in both protein and fat.

(A)
(B)
(C)

Fibre Guaranteed	Fibre Found	Ash	Nitrogen Free Extract	Ingredients Guaranteed	Ingredients Identified
8.00	19.70	4.30	60.40		As certified
4.00	4.20	29.32	1.11		As certified
9.50	9.65	6.96	55.46		As certified
9.50	9.75	6.14	54.35		As certified
6.50	6.20	4.10	58.01		As certified
5.00	1.97	1.40	68.58	Fine cracked corn, millet seed, cracked or broken wheat, steel cut oats, cracked kaffir or milo maize	See below (A)
5.00	3.62	6.37	62.39	Dried buttermilk, corn meal, oat meal, wheat middlings, bone meal, charcoal	As certified
5.00	3.25	6.20	61.17	Same as above	As certified
0.00	6.62	7.83	52.63	Dried buttermilk, beef scrap, fish meal, red dog, gluten feed, middlings, corn feed meal, feeding oat meal,linseed meal, alfalfa meal, ½ of 1% salt, charcoal. Ingredients differ from license	As certified
0.00	7.85	12.10	43.17	Dried buttermilk, beef scrap, fish meal, bone meal, ground oats, bran, gluten feed, middlings, corn feed meal, feeding oat meal, linseed meal, alfalfa meal, charcoal, ½ of 1% salt	As certified
2.00	9.98	4.70	50.94	Cotton seed meal, dried brewers grains, gluten feed, wheat bran,wheat middlings, beet pulp, linseed meal, corn feed meal, ground oats, 1%fine table salt	As certified
5.00	2.98	1.80	70.64	Cracked corn, kaffir corn or milo maize, buckwheat, barley, wheat, sunflower seed	See below (A)
0.00	9.38	9.43	43.96	Wheat bran, wheat middlings, distillers grains, gluten feed, linseed oil meal, cotton seed meal, corn feed meal, brewers grains, bone meal, lime, salt	As certified
0.00	9.07	10.41	42.48	Wheat bran, wheat middlings, ground oats, corn meal, meat scraps, fish meal, gluten, linseed oil meal, salt, alfalfa meal, charcoal	As certified
0.00	9.37	8.75	45.79	Same as above	As certified
0.00	9.82	8.23	49.13	Distillers grains, cotton seed meal, linseed oil meal, wheat bran, corn feed meal, gluten feed, brewers grains, wheat middlings, dried beet pulp, bone meal, lime, salt	As certified
7.00	7.75	5.10	53.33	Corn, oats, wheat bran, wheat middlings, cotton seed meal, salt. Ingredients differ from license	As certified
7.00	5.70	5.70	59.14	Corn,oats, wheat middlings, tankage, salt. Ingredients differ from license	See below (B)
7.00	3.78	3.95	65.81	Corn, oats, bran. Ingredients differ from license	As certified
2.00	7.92	8.20	48.51	Oats, corn, wheat middlings, wheat bran, alfalfa meal, beef scrap, salt. Ingredients differ from license	As certified
5.00	8.52	5.16	59.21		As certified
5.00	3.25	2.26	65.37		As certified
5.00	3.44	1.80	72.00	Cracked corn, wheat, oats, sunflower seed, buckwheat	See below (C)
0.00	10.10	7.34	52.56		As certified
7.50	7.70	4.00	54.13		As certified

(A) Found both kaffir corn and milo maize.
(B) Contains meat meal and not tankage.
(C) Also detected barley; sunflower seed not detected.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Minnigerode & Co., Baltimore, Md.										
Dried Beet Pulp	Baltimore	8.20	8.00	**8.79**	.50	**.43**	18.00	**18.23**	4.00	60.
Montgomery Ward & Co., Baltimore, Md.										
Pilgrim Baby Chick Feed Starter	Baltimore	8.83	14.00	**15.97**	4.00	**3.83**	6.00	**6.00**	5.70	59.
Pilgrim Growing Mash	Baltimore	8.03	18.00	**17.25**	4.00	**4.30**	7.00	**6.30**	8.40	55.
Ward's Mineral Mixture	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	...
Mt. Airy Milling Co., Mt. Airy, Md.										
Laymore Egg Mash	Mt. Airy	9.32	18.50	**20.53**	5.50	5.50	10.00	**9.20**	9.84	45.
Laymore Scratch Feed	Mt. Airy	11.15	10.00	**9.30**	3.00	**3.02**	4.00	**2.30**	1.05	73.
Pure Winter Wheat Bran	Mt. Airy	10.03	15.00	**16.98**	4.00	**4.95**	10.50	**8.75**	5.95	55.
Pure Winter Wheat Bran	Mt. Airy	8.27	15.00	**16.23**	4.00	**4.62**	10.50	**8.87**	5.20	56.
Winter Wheat Middlings, with Mill Run of Screenings	Mt. Airy	12.10	16.00	**16.67**	4.00	**4.27**	6.00	**3.82**	2.58	60.
Winter Wheat Middlings	Baltimore	9.62	16.00	**17.72**	4.00	**4.85**	6.00	**4.92**	4.04	58.
Winter Wheat Middlings	Mt. Airy	11.70	16.00	**17.60**	4.00	**5.20**	6.00	**5.85**	4.17	55.
Mutual Rendering Co., Inc., Philadelphia, Pa.										
Mureco 50% Protein Meat and Bone	Chestertown	6.00	50.00	**50.20**	10.00	**11.90**	2.00	**1.72**	29.18	1.
National Milling Co., Toledo, Ohio.										
Pure Wheat Bran	Hampstead	8.05	14.00	**16.19**	3.00	**4.73**	10.00	**10.60**	6.50	53.
Wheat Middlings, with Ground Screenings N. Ex. M. R	New Windsor	9.10	17.00	**17.81**	3.50	**4.90**	9.00	**5.93**	3.70	58.
R. N. Neal & Co., Inc., Memphis, Tenn.										
"Triangle" Brand 41% Protein Cottonseed Meal	Sparks	6.50	41.00	**40.19**	6.00	**6.77**	10.00	**11.45**	6.38	28.
"Triangle" Brand 41% Protein Cottonseed Meal	Cumberland	7.35	41.00	**41.03**	6.00	**7.05**	10.00	**10.87**	6.97	26.
"Triangle" Brand 41% Protein Cottonseed Meal	Derwood	9.35	41.00	**40.34**	6.00	**7.82**	10.00	**12.40**	7.10	22.
"Triangle" Brand 41% Protein Cottonseed Meal	Rising Sun	8.90	41.00	**42.82**	6.00	**8.08**	10.00	**11.81**	5.70	22.
"Triangle" Brand 43% Protein Cottonseed Meal	Preston	6.47	43.00	**43.00**	6.00	**8.97**	10.00	**7.80**	6.15	27.
"Triangle" Brand 36% Protein Cottonseed Meal	Westminster	9.10	36.00	**41.07**	5.00	**6.87**	14.00	**12.65**	5.23	25.
"Triangle" Brand 36% Protein Cottonseed Meal	New Windsor	7.45	36.00	**35.98**	5.00	**5.82**	14.00	**16.45**	5.50	28.
"Triangle" Brand 36% Protein Cottonseed Meal	New Windsor	6.80	36.00	**36.59**	5.00	**6.43**	14.00	**14.48**	5.10	30.
"Triangle" Brand 36% Protein Cottonseed Meal	Baltimore	8.33	36.00	**39.49**	5.00	**8.68**	14.00	**10.88**	6.80	25.
Newsome Feed & Grain Co., Pittsburgh, Pa.										
Palmo Mids	Westminster	4.58	16.00	**16.67**	7.00	**11.55**	9.00	**7.88**	5.05	54.
Newton Feed Co., Milwaukee, Wis.										
Newtrio 24% Dairy Ration	Cecilton	7.75	24.00	**25.27**	5.00	**6.45**	9.00	**9.23**	6.20	45.

FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS	
Guaranteed	FOUND			GUARANTEED	IDENTIFIED
8.00	18.23	4.00	60.35		As certified
6.00	6.00	5.70	59.67	Corn feed meal, oat flour, wheat flour middlings, dried buttermilk, bone meal, fish meal. Ingredients differ from license	As certified
7.00	6.30	8.40	55.72	Dried buttermilk, meat scrap, alfalfa meal, oat meal, corn meal, wheat middlings, oat middlings, gluten meal, copra meal, calcium phosphate, $CaSO_4$, salt. Ingredients differ from license	As certified
....	.....	.....	.....	Acid phosphate 16%, powdered wood ash, pulverized limestone, sodium chloride, epsom salts, powdered foenugreek	As certified
0.00	9.20	9.84	45.61	Winter wheat bran, corn chop, beef scrap, gluten, ground oats, middlings, alfalfa, charcoal, buttermilk, salt	As certified
4.00	2.30	1.05	73.18	Cracked corn, wheat, kaffir, barley, buckwheat	As certified
0.50	8.75	5.95	55.34		As certified
0.50	8.87	5.20	56.81		As certified
6.00	3.82	2.58	60.56		As certified
6.00	4.92	4.04	58.85		As certified
6.00	5.85	4.17	55.48		As certified
2.00	1.72	29.18	1.00		As certified
0.00	10.60	6.50	53.93		As certified
9.00	5.93	3.70	58.56		As certified
0.00	11.45	6.38	28.71		As certified
0.00	10.87	6.97	26.73		As certified
0.00	12.40	7.10	22.99		As certified
0.00	11.81	5.70	22.69		As certified
0.00	7.80	6.15	27.61		As certified
0.00	12.65	5.23	25.08		As certified
0.00	16.45	5.50	28.80		As certified
0.00	14.48	5.10	30.60		As certified
0.00	10.88	6.80	25.82		As certified
0.00	7.88	5.05	54.27	Wheat middlings, with ground screenings n, ex. m. r. and palm oil	As certified
0.00	9.23	6.20	45.10	Hominy feed, linseed oil meal, corn gluten meal, pure wheat bran, corn gluten feed, cotton seed meal, corn oil meal, calcium carbonate, steamed bone meal, kiln dried table salt	As certified

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND
Niagara Falls Milling Co., Niagara Falls, N. Y.								
Niagara Choice Pure Wheat Bran	Linwood	7.75	15.00	**16.94**	3.50	**5.17**	11.00	**10.10**
Norfolk Tallow Co., Inc., Norfolk, Va.								
Notalco Extra Quality Meat and Bone Scrap	Westminster	6.47	55.00	**55.38**	5.00	**11.57**	3.00	**1.45**
W. C. Nothern Co., Memphis, Tenn.								
Bee Bran Cottonseed Meal	Parkton	5.72	41.00	**41.24**	6.00	**7.57**	12.00	**8.62**
Bee Bran Cottonseed Meal	Elkton	7.53	41.00	**42.82**	6.00	**8.38**	12.00	**9.33**
Norton & Co., Washington, D. C.								
Bone and Meat Scrap	Hyattsville	9.02	50.00	**51.78**	10.00	**11.67**	2.00	**1.65**
Bone and Meat Scrap	Berwyn	7.52	50.00	**49.84**	10.00	**12.62**	2.00	**1.50**
Northwestern Consolidated Milling Co., Minneapolis, Minn.								
Pure Wheat Bran	Baltimore	7.70	13.00	**14.92**	4.00	**4.83**	12.00	**10.93**
Pure Wheat Bran	Baltimore	6.55	13.00	**15.71**	4.00	**5.08**	12.00	**10.65**
Wheat Flour Middlings	Motters	11.40	15.00	**17.86**	4.00	**4.92**	6.00	**5.72**
Wheat Standard Middlings	Baltimore	8.68	15.00	**16.15**	4.00	**4.33**	9.50	**9.30**
X X X Comet (Red Dog Flour)	Baltimore	10.10	16.00	**17.11**	4.00	**6.53**	4.00	**1.78**
Northwestern Milling Co., Minneapolis, Minn.								
Standard Wheat Middlings, with Ground Screenings N. Ex. M. R.	Cumberland	9.65	15.00	**16.23**	5.50	**6.05**	9.00	**8.00**
Nowak Milling Corp., Hammond Ind.								
Domino Baby Chick Starter, with BM	Hancock	8.40	20.00	**21.94**	4.50	**5.88**	6.00	**5.63**
Domino Butterine Dairy Feed	Aiken	10.47	17.00	**18.04**	3.50	**4.77**	15.00	**10.75**
Domino Developing Feed	Hancock	11.30	10.00	**10.44**	3.00	**3.03**	5.00	**2.13**
Domino 24½% Dry Dairy Feed	Cooksville	10.05	24.50	**24.44**	5.00	**5.20**	10.00	**10.50**
Domino Growing Mash, with BM	Hancock	8.68	18.00	**18.69**	4.50	**5.23**	7.00	**5.30**
Domino 32% Mixing Dairy Feed	Ellicott City	7.40	32.00	**34.11**	4.50	**4.73**	10.00	**9.75**
Domino Pep O Lene Horse Feed	Aiken	10.00	8.00	**10.74**	2.00	**4.05**	10.00	**7.70**
Domino Scratch Feed	Elkton	11.25	10.00	**10.09**	2.50	**2.54**	5.00	**2.75**
Export Scratch Feed	Hancock	8.85	9.00	**9.65**	2.50	**3.08**	6.00	**3.70**
Fidelity Stock Feed	Hancock	7.08	8.00	**9.04**	3.00	**3.33**	12.00	**13.44**
Marathon Chick Feed	Hancock	10.33	11.00	**11.14**	2.00	**2.68**	5.00	**1.93**
Marathon Horse Feed	Aiken	12.20	6.50	**7.60**	1.50	**2.12**	12.00	**9.60**
Marathon Laying Mash, with BM	Hancock	8.35	20.00	**21.24**	4.50	**4.65**	9.00	**8.00**
Marathon Scratch Feed	Aiken	12.57	10.00	**10.09**	2.50	**2.52**	5.00	**2.67**
Old Process Linseed Oil Meal	Aiken	9.37	34.00	**34.58**	5.00	**5.25**	8.00	**8.02**
Wheat Bran, Mill Run Ground Wheat Screenings N. Ex. M. R.	Cooksville	8.85	13.00	**14.74**	4.00	**5.53**	13.00	**11.32**

Fibre		Ash	Nitrogen Free Extract	INGREDIENTS	
Guaranteed	FOUND			GUARANTEED	IDENTIFIED
1.00	10.10	6.39	53.65		As certified
3.00	1.45	32.72			As certified
2.00	8.62	6.06	30.79		As certified
2.00	9.33	6.65	25.29		As certified
2.00	1.65	25.39	.49		As certified
2.00	1.50	28.40	.12		As certified
2.00	10.93	5.70	55.90		As certified
2.00	10.65	6.00	56.03		As certified
5.00	5.72	3.96	56.14		As certified
9.50	9.30	4.35	57.19		As certified
4.00	1.78	2.70	61.78		As certified
.00	8.00	5.10	54.97		As certified
.00	5.63	8.50	49.65	Linseed oil meal, corn feed meal, wheat bran, ground oats, oat flour, wheat flour middlings, meat scrap, dried buttermilk	As certified
.00	10.75	8.78	47.19	Cotton seed meal, corn gluten feed, brewers dried grains, yeast grains, (from barley malt, corn malt sprouts and oat malt), O. P. linseed oil meal, ¾% salt, 2% CaCO 3, molasses, ground grain screenings	As certified
.00	2.13	1.50	71.60	Cracked corn, cracked peas, milo maize, buckwheat, wheat	As certified
.00	10.50	7.78	42.03	Cotton seed meal, linseed oil meal, corn feed meal, corn gluten feed, ground oats, wheat bran, malt sprouts, dried yeast grains (from barley malt, corn malt sprouts and oat malt) 2% CaCO3, ¾ of 1% salt	As certified
00	5.30	6.30	55.80	Corn feed meal, wheat middlings, wheat bran, ground oats, ground barley, wheat wheat red dog flour, dried buttermilk, meat scrap	As certified
00	9.75	8.98	35.03	Cotton seed meal, corn gluten meal, old process linseed oil meal, brewers dried grains, (from barley malt, corn malt sprouts and oat malt), malt sprouts, ¾ of 1 % salt, molasses, 2% CaCO3	As certified
00	7.70	2.80	64.71	Cracked corn, crushed oats, molasses	As certified
00	2.75	1.44	71.93	Cracked corn, whole wheat, milo maize, barley, buckwheat, split green peas, sunflower seed	As certified
00	3.70	2.10	72.62	Wheat, corn, milo, barley, buckwheat, oats	As certified
00	13.44	5.60	61.51	Ground oats, corn feed meal, hominy feed, wheat middlings, ½ of 1% salt, oat feed, (oat middlings, oat hulls, oat shorts)	As certified
00	1.93	1.20	72.72	Cracked wheat, cracked corn, oat meal, cracked milo maize, millet seed	As certified
00	9.60	4.73	63.75	Cracked corn, oats, molasses, ¾% salt, reground oat feed, oat middlings, oat hulls, alfalfa meal	As certified
00	8.00	7.70	50.06	Wheat bran, wheat middlings, corn gluten feed, linseed oil meal, fine ground oats, ground barley, corn feed meal, meat scrap, dried buttermilk	As certified
00	2.67	5.40	66.75	Wheat, milo maize, barley, cracked corn, buckwheat, sunflower seed	As certified
00	8.02	5.17	37.61		As certified
00	11.32	5.60	53.96		As certified

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Nuttle Milling Co., Denton, Md.										
Ideal Growing Mash	Denton	9.75	15.00	**15.88**	4.00	**4.60**	6.00	**4.27**	5.20	60
Ideal Laying Mash	Denton	9.05	20.00	**22.60**	5.00	**5.92**	8.00	**6.70**	10.49	45
Ideal Laying Mash	Denton	7.72	20.00	**21.94**	5.00	**7.75**	8.00	**6.85**	13.08	42
Ideal Chick Starter, with BM	Denton	11.02	15.00	**16.50**	4.50	**4.40**	5.00	**3.42**	6.14	58
Ideal Scratch Feed	Denton	11.42	10.00	**10.71**	3.00	**3.12**	4.50	**3.52**	2.06	69
Ideal Pure Wheat Bran	Denton	9.85	14.00	**14.39**	3.50	**3.42**	10.00	**7.42**	5.11	59
Ideal Pure Wheat Middlings	Denton	11.30	14.00	**14.30**	3.00	**2.90**	5.00	**3.00**	2.60	65
P. Fred. Obrecht & Son, Baltimore, Md.										
"PFO" Chick Feed	Baltimore	10.01	9.00	**11.54**	2.00	**4.19**	6.00	**5.13**	3.10	66
"PFO" Dairy Ration	Baltimore	8.52	24.00	**23.87**	3.50	**4.72**	12.00	**10.22**	5.37	47
"PFO" Dairy Ration	Baltimore	8.00	24.00	**23.34**	3.50	**4.99**	12.00	**11.28**	5.25	47
"PFO" Growing Hog Ration	Baltimore	9.17	15.00	**19.53**	4.50	**5.25**	12.00	**9.32**	6.95	49
*"PFO" Growing Mash	Baltimore	11.32	20.00	**18.08**	4.00	**4.07**	9.00	**5.17**	5.51	55
*"PFO" Growing Mash	Baltimore	9.65	20.00	**16.59**	4.00	**5.30**	9.00	**7.69**	5.12	55
"PFO" Laying Mash, with Dried BM	Baltimore	7.91	20.00	**27.60**	4.00	**6.97**	11.00	**8.44**	9.40	39
"PFO" Molasses Horse Feed	Baltimore	11.50	9.00	**9.28**	1.00	**3.85**	15.00	**6.68**	3.45	65
*"PFO" Starting Chick Feed, with BM	Baltimore	11.72	14.00	**17.20**	4.00	**2.70**	5.00	**5.52**	3.50	59
Rich Brand Laying Mash	Baltimore	9.07	18.00	**20.80**	3.50	**5.42**	7.00	**6.47**	7.96	50
*Rich Dairy Ration	Baltimore	8.00	16.50	**15.27**	3.00	**3.85**	12.00	**13.24**	4.80	54
*Rich Meat Scraps	Baltimore	8.40	50.00	**53.35**	10.00	**8.32**	3.00	**1.95**	27.15	.
†Rich Meat Scraps	Mardela Springs	4.82	50.00	**44.55**	10.00	**9.42**	3.00	**4.45**	32.09	4.
Rich Meat Scraps	Baltimore	6.60	50.00	**52.04**	10.00	**10.18**	3.00	**1.65**	27.90	1.
Rich Scratch Feed	Baltimore	10.29	9.00	**10.35**	2.00	**3.18**	6.00	**3.21**	1.65	71.
Ogilvie Flour Mills Co., Montreal, Canada										
Oat Feed	Taneytown	7.78	5.25	**5.70**	2.50	**2.45**	27.00	**29.46**	5.55	49.
Pure Wheat Bran	Frederick	8.90	15.00	**16.67**	3.50	**5.85**	11.50	**10.32**	5.56	52.
Pure Wheat Shorts	Upper Marlboro	11.32	16.00	**16.50**	5.00	**5.52**	8.00	**8.15**	4.76	53.
Omaha Flour Mills Co., Omaha, Neb.										
Pure Wheat Bran	Frederick	8.37	15.00	**18.74**	3.50	**4.35**	11.00	**9.50**	6.77	52.
Pure Wheat Bran	Cockeysville	9.82	15.00	**16.06**	3.50	**4.05**	11.00	**8.35**	6.57	55.

* Means deficient in protein or fat.
† Means deficient in both protein and fat.

Fibre Guaranteed	Fibre FOUND	Ash	Nitrogen Free Extract	INGREDIENTS GUARANTEED	IDENTIFIED
6.00	4.27	5.20	60.30	Bran middlings, corn meal, (reground rolled oats), dried buttermilk, beef scrap. Ingredients differ from license	As certified
8.00	6.70	10.49	45.24	Bran middlings, corn meal, ground oats, oil meal, gluten feed, fish meal, alfalfa, beef scrap, charcoal, buttermilk, salt, CaCO3	As certified
8.00	6.85	13.08	42.66	Same as above	As certified
5.00	3.42	6.14	58.52	Bran, middlings, rolled oats, beef scrap, corn meal, buttermilk	As certified
4.50	3.52	2.06	69.17	Cracked corn, wheat, oats, barley, buckwheat	As certified
0.00	7.42	5.11	59.81		As certified
5.00	3.00	2.60	65.90		As certified
6.00	5.13	3.10	66.03	Fine cracked corn, cracked wheat, millet seed, mixed seeds	See below (A)
2.00	10.22	5.37	47.30	Gluten feed, beet pulp, cotton seed meal, bran, middlings, corn chop, brewers grains, linseed oil meal, salt, steamed bone. Ingredients differ from license	As certified
2.00	11.28	5.25	47.14	Gluten feed, beet pulp, cotton seed meal, soya bean meal, wheat bran, middlings, corn chop, brewers grains, salt. Ingredients differ from license	See below (B)
2.00	9.32	6.95	49.78	Corn chop, white middlings, fine alfalfa meal, flour bran, soya bean meal, hog tankage, fish meal, sulphur, CaCO3, salt	See below (C)
9.00	5.17	5.51	55.85	Yellow corn meal, wheat bran, gluten feed, meat scrap, flour, wheat middlings, yeast, buttermilk, alfalfa meal	See below (D)
9.00	7.69	5.12	55.65	Same as above	See below (E)
1.00	8.44	9.40	39.68	Beef scrap, fish meal, soya bean meal, gluten feed, cotton seed meal, middlings, bran, flour, corn chop, alfalfa meal, ground oats, salt, buttermilk, yeast	See below (B)
5.00	6.68	3.45	65.24	Cracked corn, flaked oats, molasses, alfalfa meal, salt	As certified
5.00	5.52	3.50	59.36	Dried buttermilk, oat meal, fancy corn meal, ground wheat bran, corn, gluten feed	See below (F)
7.00	6.47	7.96	50.28	Flour middlings, corn meal, fine green alfalfa, ground white oats, corn gluten feed, bran, meat meal, dried buttermilk, P. F. O. mineral tonic containing bone charcoal, sulphur, CaCO3, fish meal	As certified
2.00	13.24	4.80	54.84	Middlings, bran, oat feed, apple pomace, corn chop, cotton feed meal, brewers grains, gluten feed, salt	See below (G)
3.00	1.95	27.15	.83		As certified
3.00	4.45	32.09	4.47		See below (H)
3.00	1.65	27.90	1.63		As certified
5.00	3.21	1.65	71.32	Cracked corn, kaffir, milo, barley, sunflower seed, buckwheat. Ingredients differ from license	See below (I)
7.00	29.46	5.55	49.06		As certified
.50	10.32	5.56	52.70		As certified
.00	8.15	4.76	53.75		As certified
.00	9.50	6.77	52.27		As certified
.00	8.35	6.57	55.15		As certified

(A) Unable to detect cracked wheat; also detected large amount of kaffir and milo, hulls and weed seed.
(B) Unable to detect salt.
(C) Also detected bone meal and charcoal.
(D) Also detected ground oats and grain screenings, (wild buckwheat weed seed, millet, mustard, etc.).
(E) Unable to detect alfalfa meal; also detected oat by-product feed.
(F) Detected ground oats and not oat meal.
(G) Also detected grain screenings (viable weed seeds, etc.), and a material resembling ground ice cream cones.
(H) Misbranded and adulterated, products found to be tankage and not meat scraps, contains glass, hoof, hair, and horn, stomach contents.
(I) Also detected clipped oats; unable to detect sunflower seed.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	
			Guaranteed	Found	Guaranteed	Found	Guaranteed	Found		
Owings Bros., York, Pa.										
22% June Bug Dairy Ration	Parkton	9.40	22.00	**23.34**	4.00	**4.52**	11.00	**10.50**	7.80	44
June Bug Laying Mash	Parkton	8.92	20.00	**20.80**	5.00	**5.77**	8.00	**10.45**	9.00	45
*June Bug Scratch Feed	Parkton	13.27	9.00	**9.65**	3.00	**2.30**	4.00	**2.52**	1.45	70
Park & Pollard Co., Inc., Buffalo, N. Y.										
Arlington Horse Feed	Berlin	9.43	9.00	**11.82**	2.50	**4.10**	11.00	**7.36**	3.58	63
Bet-R-Milk Ration	Frostburg	8.70	20.00	**20.73**	5.00	**4.99**	10.00	**7.66**	9.11	48
Baby Buster Chick Feed	Cockeysville	11.62	10.00	**12.73**	2.00	**3.15**	5.00	**1.82**	1.20	69
Bidwell Dry Mash	Greensboro	9.35	18.00	**21.76**	1.50	**4.25**	12.00	**6.68**	11.20	46
Bidwell Scratch Feed	Easton	11.65	10.00	**10.79**	1.50	**3.02**	5.00	**2.62**	1.90	70
Bonnie Booster	Easton	10.87	12.00	**15.40**	3.00	**3.72**	3.00	**4.22**	4.54	61
Corn Feed Meal	Frostburg	13.45	9.00	**10.27**	2.50	**4.80**	4.00	**3.15**	1.80	66
Corn Feed Meal	Frostburg	12.20	9.00	**10.35**	2.50	**4.32**	4.00	**10.12**	1.81	61
Growing Feed	Easton	11.75	14.00	**15.09**	1.50	**2.25**	8.00	**6.10**	10.63	54
Go-Tu-It Hog Ration	Easton	9.92	15.00	**17.02**	5.00	**5.37**	10.00	**6.57**	8.05	53
Intermediate Chick Feed	Cumberland	11.70	10.00	**10.35**	1.50	**2.87**	5.00	**2.12**	1.94	71
Lay or Bust Dry Mash	Easton	13.42	18.00	**17.42**	1.50	**2.30**	12.00	**5.92**	9.38	51
Milk-Maid 24% Dairy Ration	Greensboro	8.52	24.00	**23.96**	5.00	**4.90**	11.00	**12.26**	8.78	41
Red Ribbon Chick Feed	Cockeysville	11.75	10.00	**11.14**	2.00	**2.62**	5.00	**1.65**	1.65	71
Red Ribbon Scratch Feed	Cumberland	10.08	10.00	**10.44**	1.50	**2.85**	5.00	**2.73**	1.60	72
Park and Pollard Stock Feed	Cumberland	9.95	8.00	**9.48**	2.50	**4.02**	12.00	**10.60**	5.28	60
Park and Pollard Stock Feed	Frostburg	8.22	8.00	**9.39**	2.50	**4.62**	12.00	**11.55**	6.31	59
*Wheat Flour Middlings, with Screenings N. Ex. M. R	Frostburg	11.07	16.00	**14.57**	4.00	**3.60**	6.00	**4.67**	4.08	62
Wheat Flour Middlings, with Screenings N. Ex. M. R	Berlin	10.65	16.00	**15.01**	4.00	**3.62**	6.00	**6.37**	3.66	60
Patuxent Guano Co., Baltimore, Md.										
Hog Brand Digester Tankage	Hancock	6.75	60.00	**65.19**	6.00	**6.45**	5.00	**1.48**	19.35	.7
Pecos Valley Alfalfa Mill Co., Hagerman, N. M.										
Alfalfa Meal	Baltimore	7.62	12.00	**15.32**	1.50	**1.62**	35.00	**29.22**	9.20	37.0
Alfalfa Meal	Mt. Airy	8.65	12.00	**15.23**	1.50	**1.70**	35.00	**27.90**	8.38	38.1
Penn Grains & Feed Co., Philadelphia, Pa.										
"Peerless" Brewers' Dried Grains	Providence	7.65	20.00	**21.94**	5.00	**5.15**	17.00	**14.75**	3.53	46.9

* Means deficient in protein or fat.

(A) U
(B) U

Fibre Guaranteed	Fibre FOUND	Ash	Nitrogen Free Extract	INGREDIENTS GUARANTEED	INGREDIENTS IDENTIFIED
11.00	10.50	7.80	44.44	Gluten feed, cotton seed meal, wheat bran, wheat middlings, whole ground oats, dried beet pulp, linseed oil meal, ¾% salt	As certified
8.00	10.45	9.00	45.06	Corn chop, standard wheat middlings, oat feed, wheat bran, wheat middlings, meat scraps, ground alfalfa, O. P. oil meal, dried butermilk, salt	As certified
4.00	2.52	1.45	70.81	Cracked corn, wheat, barley, oats, kaffir corn, buckwheat, wheat. Ingredients differ from license	As certified
1.00	7.36	3.58	63.71	Cracked corn, crimped oats, wheat bran, molasses, ½% salt	As certified
0.00	7.66	9.11	48.81	Distillers dried grains, linseed meal, cotton seed meal, hominy feed, fine ground grain screenings, ground fish, wheat bran, ground oats, molasses, calcium carbonate, salt	As certified
5.00	1.82	1.20	69.48	Cracked corn, wheat, kaffir corn, milo maize, oats, whole millet, shredded fish	As certified
2.00	6.68	11.20	46.76	Cracked corn, barley, oats, meat and bone meal, fish, wheat bran and grain screenings, wheat middlings, salt, CaCO3	As certified
5.00	2.62	1.90	70.02	Cracked corn, wheat, barley, oats, buckwheat, kaffir corn, milo maize, sunflower seed	See below (A)
3.00	4.22	4.54	61.25	Ground alfalfa, corn, wheat, barley, oats, fish, meat and bone meal, wheat bran, wheat middlings, rice, salt, CaCO3, dried buttermilk	As certified
4.00	3.15	1.80	66.53		As certified
4.00	10.12	1.81	61.20		As certified
3.00	6.10	10.63	54.18	Ground corn, wheat, alfalfa, oats, barley, meat and bone meal, wheat bran with m. r. screenings, wheat middlings, CaCO3, salt, dried buttermilk	See below (B)
0.00	6.57	8.05	53.07	Alfalfa meal, hominy feed, fish, meat and bone, ground barley, corn meal, corn germ meal, middlings, fine ground grain screenings, cocoa shell meal, CaCO3, salt	As certified
5.00	2.12	1.94	71.02	Corn, wheat, barley, buckwheat, hulled oats, millet, kaffir, milo. Ingredients differ from license	As certified
2.00	5.92	9.38	51.56	Ground corn, wheat, oats, barley, kaffir corn, buckwheat, alfalfa, fish, meat, bone, wheat bran with m. r. screenings, wheat middlings, CaCO3, salt. Ingredients differ from license	As certified
.00	12.26	8.78	41.58	Corn distillers grain, O. P. linseed oil meal, cotton seed meal, gluten feed, wheat bran, wheat middlings (may contain m. r. of screenings), ground oats, corn meal, CaCO3, salt	As certified
.00	1.65	1.65	71.19	Cracked corn, wheat, oats, kaffir corn, milo, whole millet	As certified
.00	2.73	1.60	72.30	Cracked corn, wheat, buckwheat, barley, oats, kaffir, milo maize, sunflower seed	As certified
.00	10.60	5.28	60.67	Ground barley, ground corn, ground oats, hominy feed, oat hulls, oat middlings, oat shorts, calcium carbonate, salt	As certified
.00	11.55	6.31	59.91	Same as above	As certified
.00	4.67	4.08	62.01		As certified
.00	6.37	3.66	60.69		As certified
.00	1.48	19.35	.78		As certified
.00	29.22	9.20	37.02		As certified
.00	27.90	8.38	38.14		As certified
00	14.75	3.53	46.98		As certified

(A) Unable to detect sunflower seed.
(B) Unable to detect wheat bran and wheat middlings.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Pfeffer Milling Co., Lebanon, Ill.										
Wheat Middlings, with Ground Screenings N. Ex. M. R	Taneytown	9.70	17.50	**18.60**	5.00	**5.00**	7.50	**6.08**	4.80	55
Phoenix Flour Mills, Davenport, Iowa.										
Wheat Bran	Parkton	10.17	14.00	**16.28**	4.50	**4.50**	11.00	**9.65**	6.70	52
Wheat Flour Middlings, with Mill Run of Screenings	Pocomoke City	10.80	15.00	**16.85**	4.00	**4.70**	6.00	**4.24**	3.74	63
Pillsbury Flour Mills Co., Minneapolis, Minn.										
Pillsbury's Dairy Ration	Westminster	9.48	20.00	**21.50**	5.00	**5.30**	12.00	**8.15**	7.70	47
Pillsbury's Durum Wheat Bran and Screenings	Frederick	10.62	14.00	**14.70**	4.00	**6.00**	12.00	**10.42**	5.35	52
Pillsbury's Hard Wheat Bran and Screenings	Hyattsville	8.50	14.00	**17.11**	4.00	**4.80**	12.00	**9.88**	5.80	53
Pillsbury's Hard Wheat A. Middlings and Screenings	Linwood	10.72	16.00	**18.08**	4.00	**4.30**	6.00	**3.45**	2.90	60
Pillsbury's Hard Wheat Standard B. Middlings and Screenings	Westminster	9.08	15.00	**15.36**	4.00	**4 95**	9.50	**8.98**	4.70	56
Pillsbury's X X Daisy	Baltimore	9.55	16.00	**17.55**	4.00	**4.63**	4.00	**2.75**	2.75	62
Pittsburgh Melting Co., Pittsburgh, Pa.										
Steel City Meat and Bone Scrap for Poultry	Grantsville	5.52	50.00	**51.42**	5.00	**10.32**	3.00	**1.57**	30.40	
Steel City Meat and Bone Scrap for Poultry	Grantsville	5.33	50.00	**50.63**	5.00	**12.30**	3.00	**2.08**	29.50	
Planters Cotton Oil Co., Inc., Augusta, Ga.										
*41.12% Protein Cotton Seed Meal	Hagerstown	6.45	41.12	**39.67**	5.00	**6.50**	10.00	**10.95**	6.95	29
George P. Plant Milling Co., St. Louis, Mo.										
Wheat Middlings, with Wheat Screenings N. Ex. M. R	White Hall	11.05	17.00	**17.81**	4.00	**4.04**	6.00	**4.92**	4.58	57
Prairie State Milling Co., Chicago, Ill.										
Apex Horse Feed	Baltimore	9.70	9.00	**9.08**	2.50	**2.95**	10.00	**7.82**	3.71	66
Best Ever Horse Feed	Baltimore	11.47	9.00	**9.60**	3.00	**2.96**	9.00	**7.04**	2.94	65
Crimped Oats and Cracked Corn	Baltimore	9.40	9.00	**10.71**	3.00	**3.00**	9.00	**6.05**	2.51	68
*Lexington Horse Feed	Baltimore	10.90	8.00	**7.51**	2.50	**1.81**	12.00	**13.80**	4.56	61
Lexington Horse Feed	Baltimore	10.80	8.00	**8.13**	2.50	**2.30**	12.00	**13.42**	4.35	61
Pratt Food Co., Philadelphia, Pa.										
Pratts Baby Chick Food, with BM	Westmnister	10.98	11.50	**12.99**	3.50	**4.75**	3.80	**3.15**	5.75	62
Pratts Circle A. Chick Scratch Feed	Baltimore	10.77	10.00	**10.71**	2.50	**2.50**	5.00	**1.62**	1.00	73
Pratts Circle A. Scratch Feed Large Size	Baltimore	11.25	10.00	**10.44**	2.50	**3.33**	5.00	**2.65**	1.70	70
Pratts Corn Feed Meal	Frostburg	10.95	9.00	**9.21**	3.50	**3.52**	6.00	**4.05**	1.73	70
Pratts Horse Feed, with Alfalfa	Frostburg	11.88	9.00	**8.52**	2.50	**2.85**	14.00	**7.08**	3.40	66
Pratts Supreme Chick Scratch Feed	Baltimore	10.25	10.00	**12.86**	2.50	**2.62**	5.00	**1.80**	1.45	71
Pratts Supreme Growing Mash, with BM	Westminster	9.90	17.50	**18.87**	4.50	**5.53**	7.00	**4.50**	9.40	51
Pratts Supreme Horse Feed	Westminster	11.75	9.00	**9.80**	2.00	**3.48**	10.00	**6.93**	2.81	65
Pratts Supreme Laying Mash, with BM	Westminster	9.75	22.00	**22.20**	4.00	**5.55**	8.00	**4.80**	8.20	49

* Means deficient in protein or fat.

Ash	Nitrogen Free Extract	INGREDIENTS		
		GUARANTEED		IDENTIFIED
4.80	55.82			As certified
6.70	52.70			As certified
3.74	63.41			As certified
7.70	47.87	Linseed oil meal, corn gluten feed, cotton seed meal, hominy feed, standard wheat bran, dried beet pulp, standard wheat middlings, mineral matter, CaCO3. Ingredients differ from license		As certified
5.35	52.91			As certified
5.80	53.91			As certified
2.90	60.55			As certified
4.70	56.93			As certified
2.75	62.77	Wheat red dog		As certified
30.40	.77			As certified
29.50	.16			As certified
6.95	29.48			As certified
4.58	57.60			As certified
3.71	66.74	Crimped oats, crushed corn, crimped barley, alfalfa meal, molasses		As certified
2.94	65.99	Crimped oats, crimped barley, cracked corn, alfalfa meal, molasses		As certified
2.51	68.33			As certified
4.56	61.42	Alfalfa meal, oat shorts, cracked corn, oat feed, molasses. Ingredients on sack differ from license		See below (A)
4.35	61.00	Same as above		See below (A)
5.75	62.38	Dried buttermilk, corn meal, wheat middlings, oat meal, cooked wheat, bone meal, millet, rape		See below (B)
1.00	73.40	Cracked corn, cracked wheat, cracked milo, cracked kaffir		As certified
1.70	70.63	Wheat, barley, cracked corn, milo, kaffir, buckwheat, sunflower seed		As certified
1.73	70.54			As certified
3.40	66.27	Cracked corn, crushed oats, molasses, ground alfalfa, ¾ of 1% salt		As certified
1.45	71.02	Steel cut oats, cracked wheat, cracked corn, cracked peas, millet. Ingredients differ from license		As certified
9.40	51.80	Dried buttermilk, corn meal, oat meal, wheat bran, wheat middlings, bone meal, meat scrap, fish meal		As certified
2.81	65.23	Cracked corn, crushed oats, molasses		As certified
8.20	49.50	Dried buttermilk, oat meal, corn meal, O. P. linseed oil meal, wheat middlings, meat scraps, corn feed meal, wheat bran, alfalfa, fish meal, salt ½ of 1%		As certified

(A) Also detected oats and barley.
(B) Also detected magnesium sulphate (epsom salts).

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND
Pratt Food Co., Philadelphia, Pa.,—Cont.								
Pratts Supreme Pigeon Feed No Corn	Baltimore	10.70	10.00	**14.65**	2.50	**2.65**	5.00	**3.05**
Pratts Utility Large Scratch Feed	Baltimore	11.15	10.00	**10.35**	2.50	**3.28**	5.00	**2.75**
Pratts Victory Chick Scratch Feed	Baltimore	10.93	10.00	**11.41**	2.50	**2.17**	5.00	**1.55**
Pratts Victory Intermediate Scratch Feed	Baltimore	12.08	10.00	**10.00**	2.50	**2.68**	5.00	**1.63**
Pratts Victory Large Scratch Feed	Westminster	12.18	10.00	**10.53**	2.50	**2.70**	5.00	**2.53**
Pratts Victory Laying Mash, with BM	Baltimore	9.73	20.00	**20.62**	4.00	**5.38**	8.00	**6.40**
Puritan Mills, Chicago, Ill.								
Pure-O-Lene Horse Feed 85%	Lonaconing	12.05	9.00	**9.48**	3.00	**3.22**	10.00	**8.15**
Success Scratch Feed N. G	Lonaconing	10.77	9.00	**10.18**	3.50	**3.20**	4.00	**2.25**
Super-Quality Scratch Feed N. G	Lonaconing	11.57	10.00	**10.35**	3.00	**3.21**	4.00	**2.32**
Quaker Oats Co., Chicago, Ill.								
Banner Feed	Frederick	6.00	13.00	**15.27**	4.50	**5.45**	18.00	**15.50**
Big Egg Scratch Grains N. G	Owings Mills	10.88	9.50	**10.53**	2.00	**3.50**	3.50	**2.28**
Big "Q" Dairy Ration	Baltimore	6.77	20.00	**20.97**	3.25	**4.38**	12.00	**11.57**
Boss Dairy Ration	Owings Mills	9.00	24.00	**25.45**	4.00	**5.00**	10.50	**10.10**
Buckeye Feed	Westminster	9.80	15.50	**16.50**	4.50	**5.30**	10.00	**7.80**
Early Bird Scratch Grains N. G	Cumberland	9.78	9.50	**10.27**	2.00	**3.93**	3.50	**2.25**
Ful-O-Pep Chick Starter	Owings Mills	8.23	15.00	**16.67**	5.00	**6.33**	6.00	**5.78**
Ful-O-Pep Coarse Chick Feed	Grantsville	11.52	10.00	**11.41**	2.00	**2.90**	2.50	**2.05**
Ful-O-Pep Egg Mash	Owings Mills	11.35	20.00	**20.62**	4.00	**5.20**	8.00	**6.58**
Ful-O-Pep Fine Chick Feed	Union Bridge	12.88	12.00	**12.20**	2.50	**2.98**	2.00	**1.43**
Ful-O-Pep Growing Mash	Owings Mills	8.93	19.00	**19.92**	5.00	**5.33**	6.00	**5.38**
Ful-O-Pep Scratch Grains	Baltimore	11.80	9.00	**10.27**	2.00	**2.85**	3.50	**1.93**
Ful-O-Pep Station Grade Fattening Feed	Rockville	10.15	13.00	**14.48**	5.00	**5.10**	5.00	**4.15**
Green Cross Horse Feed	Annapolis	6.60	10.00	**10.83**	2.50	**3.10**	12.00	**12.60**
Quaker Dairy Feed	Taneytown	8.58	16.00	**18.78**	4.00	**4.25**	13.50	**16.91**

Ash	Nitrogen Free Extract	INGREDIENTS — GUARANTEED	IDENTIFIED
1.95	67.00	Wheat, milo, buckwheat, Canada peas, hemp, millet, kaffir	As certified
1.70	70.77	Wheat, barley, cracked corn, milo, kaffir, buckwheat, oats	As certified
1.35	72.59	Cracked wheat, cracked corn, steel cut oats, cracked milo, cracked peas, cracked kaffir	As certified
1.10	72.51	Cracked corn, wheat, buckwheat, milo, kaffir	As certified
1.50	70.56	Wheat, cracked corn, barley, kaffir, milo, buckwheat, sunflower seed	As certified
7.65	50.22	Dried buttermilk, corn meal, corn feed meal, wheat bran, wheat middlings, ground oats, fish meal, meat scrap, O. P. linseed oil meal, alfalfa, salt	As certified
3.28	63.82	Crimped oats, cracked corn, barley screenings, choice alfalfa meal, molasses	As certified
1.41	72.19	Wheat, sifted cracked corn, barley, kaffir, buckwheat	See below (A)
1.50	71.05	Wheat, sifted cracked corn, barley, milo, kaffir, buckwheat, sunflower seed. Ingredients differ from license	As certified
6.60	51.18	Oat shorts, oat hulls, oat middlings	As certified
1.40	71.41	Cracked corn, whole barley, whole wheat, whole kaffir corn, whole milo maize, Buckwheat, ½ of 1% sunflower seed	As certified
8.13	48.18	Hominy feed, yellow hominy feed, barley meal, cotton seed meal, corn gluten feed, old process linseed meal, wheat bran, wheat middlings (with ground screenings), oat meal by-product (oat middlings, oat hulls, oat shorts), ¾ of 1% salt, calcium carbonate, bone meal, molasses	As certified
7.70	42.75	Hominy feed, yellow hominy feed, cotton seed meal, corn gluten feed, O. P. linseed meal, wheat bran, wheat middlings, (with ground screenings n. ex. m. r.), oat meal mill by-product (oat middlings, oat shorts, oat hulls), ¾ of 1% salt, 1% calcium carbonate, 1% bone meal, molasses	As certified
5.00	55.60	Wheat bran, wheat middlings (with ground wheat screenings n. ex. m. r.)	As certified
1.54	72.23	Cracked corn, whole barley, whole wheat, whole kaffir corn, whole milo maize, buckwheat, ½ of 1% sunflower seed	As certified
7.90	55.09	Oat meal, hominy feed, yellow hominy feed, corn gluten feed, wheat bran, wheat middlings (with ground wheat screenings n. ex. m. r.), bone meal, fish meal, cod liver meal, ground puffed wheat, alfalfa meal, cod liver oil, 2% calcium carbonate, ½ of 1% salt. Ingredients differ from license	As certified
1.61	70.51	Cracked corn, whole wheat, whole milo, whole kaffir, oat groats, buckwheat	As certified
11.70	44.55	Hominy feed, yellow hominy feed, barley meal, oat meal, linseed meal, wheat bran, wheat middlings (with ground wheat screenings n. ex. m. r.), bone meal, fish meal, cod liver meal, meat scraps, alfalfa meal, 2% calcium carbonate, ¾ of 1% salt	As certified
1.30	69.21	Cracked corn, cracked wheat, cut oat groats, millet seed	As certified
9.80	50.64	Hominy feed, yellow hominy feed, corn gluten feed, wheat bran, wheat middlings (with ground wheat screenings n. ex. m. r.), fish meal, oat meal, cod liver meal, bone meal, meat scrap, ground puffed wheat, alfalfa meal, 2% calcium carbonate, ¾ of 1% salt. Ingredients differ from license	As certified
1.10	72.05	Barley, kaffir corn, wheat, milo maize, cracked degerminated corn, sunflower seed. Ingredients differ from license	As certified
5.83	60.29	Ground corn, oat meal, rolled oats, low grade wheat flour, corn germ meal, bone meal, cod liver meal, linseed meal, ground puffed rice, 2% calcium carbonate, ¾ of 1% salt	As certified
5.93	60.94	Cracked corn, crushed oats, cotton seed meal, alfalfa meal, oat meal, mill by-product (oat shorts, oat middlings, oat hulls), salt, molasses	As certified
7.55	43.93	Cotton seed mel, linseed meal, hominy feed, wheat bran, wheat middlings, ground grain screenings from wheat, oat meal mill by-product (oat middlings, oat hulls, oat shorts), ¾ of 1% salt, 1% calcium carbonate, 1% bone meal, molasses. Ingredients differ from license	As certified

(A) Also detected milo maize and sunflower seed.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Quaker Oats Co., Chicago, Ill.—Cont.										
Schumacher Calf Meal	Cumberland	5.75	18.00	**21.15**	8.00	**7.58**	4.00	**3.15**	7.00	55.
Schumacher Feed	Baltimore	8.43	10.00	**10.79**	3.25	**3.43**	12.00	**11.78**	5.75	59.
Schumacher Little Chick Feed N. G	Cumberland	10.38	10.00	**10.71**	2.00	**2.28**	2.00	**1.50**	1.45	73.
Schumacher Scratch Grains N. G	Owings Mills	11.03	10.00	**10.62**	2.00	**2.45**	3.50	**2.15**	1.10	72.
Sugared Schumacher Feed	Owings Mills	9.08	10.00	**10.79**	3.25	**3.33**	12.00	**10.73**	6.40	59.
Yellow Hominy Feed	Grantsville	9.00	10.50	**10.53**	5.00	**4.90**	6.00	**5.60**	2.65	67.
Queenstown Roller Mills, Queenstown, Md.										
Pure Wheat Bran	Queenstown	11.95	14.00	**14.83**	3.50	**3.25**	10.00	**6.92**	4.78	58.
*Pure Wheat Middlings	Queenstown	12.80	14.00	**14.92**	4.00	**2.85**	5.00	**4.32**	3.21	61.
Quisenberry Feed Manufacturing Co., Buffalo, N. Y.										
Blue Ribbon Chick Scratch	Cardova	12.35	10.00	**10.88**	2.50	**2.27**	3.50	**1.05**	1.26	72.
Blue Ribbon Scratch Feed	Cardova	11.90	10.00	**10.88**	2.50	**3.30**	3.50	**3.02**	2.16	68.
Egg Maker Scratch	Friendsville	12.00	10.00	**10.35**	2.50	**2.57**	3.50	**1.82**	1.20	72.
Favorite Dairy Feed, with Molasses	Cardova	7.77	16.50	**16.50**	4.00	**5.07**	13.50	**12.15**	9.16	49.
*Favorite Feed	Friendsville	9.80	23.00	**21.85**	5.00	**4.80**	10.00	**10.13**	6.20	47.
Husky Chick Scratch-Fine	Cardova	12.90	10.00	**10.35**	2.50	**2.45**	3.50	**1.92**	1.20	71.
Husky Chick Scratch-Fine	Friendsville	12.02	10.00	**10.97**	2.50	**2.62**	3.50	**1.27**	1.94	71.
Husky Chick Scratch-Coarse	Cardova	12.02	10.00	**11.14**	2.50	**3.35**	3.50	**2.27**	1.58	69.
*Quality Dairy Feed	Cardova	10.13	20.00	**16.26**	4.50	**5.18**	10.00	**8.10**	8.60	51.
Quality Favorite Dairy, Feed with Molasses	Cardova	11.10	16.50	**17.55**	4.00	**4.90**	13.50	**10.67**	10.90	44.
Quality Laying Mash, with BM	Friendsville	10.28	20.00	**19.31**	4.00	**5.30**	6.50	**6.45**	11.80	46.
Quality Starting Food, with BM	Hagerstown	10.18	15.00	**15.62**	4.00	**4.45**	6.00	**4.28**	10.50	54.
Ralston Purina Co., St. Louis, Mo.										
Purina Bulky Las Feed	Linwood	12.37	9.00	**11.20**	2.00	**2.19**	15.00	**11.60**	6.80	55.
Protena Dairy Feed	Rising Sun	8.95	16.50	**18.43**	3.50	**3.95**	12.00	**13.99**	6.55	48.
Purina Calf Chow Feed	Linwood	9.08	27.00	**28.78**	3.20	**4.20**	4.50	**3.95**	4.40	49.
Purina Chicken Chowder Feed	Cumberland	9.60	19.00	**19.22**	4.00	**4.23**	8.00	**7.80**	8.50	50.

* Means deficient in protein or fat.

Fibre Guaranteed	Fibre FOUND	Ash	Nitrogen Free Extract	INGREDIENTS Guaranteed	Identified
4.00	3.15	7.00	55.37	Oat meal, ground flaxseed, ground puffed wheat, linseed meal, milk albumen, boiled blood flour, ½ of 1% bicarbonate of soda, ¾ of 1% salt, 1% calcium carbonate, 1% bone meal	
2.00	11.78	5.75	59.82	Ground corn, hominy feed, yellow hominy feed, barley meal, cotton seed meal, linseed oil meal, low grade wheat flour, wheat middlings (with ground wheat screenings n. ex. m. r.), oat meal mill by-product (oat hulls, oat middlings, oat shorts), salt, bone meal, calcium carbonate	As certified
2.00	1.50	1.45	73.68	Degerminated corn, cracked wheat, cracked kaffir corn, milo, cut oat groats, millet seed	As certified
.50	2.15	1.10	72.65	Cracked degermed corn, whole barley, whole wheat, whole kaffir corn, whole milo maize, buckwheat, ½ of 1% sunflower seed	As certified
.00	10.73	6.40	59.67	Ground corn, hominy feed, yellow hominy feed, barley meal, cotton seed meal, O. P. linseed meal, low grade wheat flour, wheat middlings (withground wheat screenings n, ex. m. r.), oat meal mill by-product (oat middlings, oat hulls, oat shorts), ¾ of 1% salt, 1% calcium carbonate, 1% bone meal, molasses	See below (A)
.00	5.60	2.65	67.32		As certified
					As certified
.00	6.92	4.78	58.27		
.00	4.32	3.21	61.90		As certified
					As certified
.50	1.05	1.26	72.19	Cracked kaffir, milo, wheat, corn	
.50	3.02	2.16	68.74	Barley, buckwheat, cracked corn, kaffir, milo, wheat, sunflower seed	As certified
.50	1.82	1.20	72.06	Wheat, cracked corn, milo maize, kaffir corn, buckwheat, sunflower seed	As certified
.50	12.15	9.16	49.35	Cotton seed meal, corn gluten feed, dried grains, yeast grains (from barley malt, corn malt, sprouts and oat malt), O. P. oil meal, wheat bran, ¾% salt, 2% CaCO3, molasses, ground grain screenings	As certified
00	10.13	6.20	47.22	Wheat bran, whole ground oats, cotton seed meal, O. P. oil meal, calcium carbonate, hominy feed, corn gluten feed, not more than 1% salt, 1% charcoal	As certified
50	1.92	1.20	71.18	Cracked corn, wheat, kaffir, milo maize, steel cut oats	As certified
50	1.27	1.94	71.18	Same as above	As certified
50	2.27	1.58	69.64	Cracked corn, kaffir corn, milo maize, buckwheat, wheat	As certified
00	8.10	8.60	51.73	Corn gluten feed, dried beet pulp, corn meal, cotton seed meal, ground oats, O. P. linseed oil meal, wheat bran, wheat middlings, alfalfa meal, kaffir corn meal, CaCO3, salt less than 1%. Ingredients differ from license	As certified
50	10.67	10.90	44.88	Cotton seed meal, brewers dried grains, corn gluten feed, yeast grains (from barley malt, corn malt sprouts and oat malt), O. P. linseed oil meal, wheat bran, ¾% salt, molasses, 2% CaCO3, ground grain screenings	See below (B)
50	6.45	11.80	46.86	Corn meal, corn germ meal, wheat middlings, wheat bran, oat flour, meat and bone scrap, alfalfa meal, dried buttermilk, O. P. oil meal, CaCO3, corn oil cake meal, corn gluten feed, ground kaffir and milo, ground barley, ground oats, ground buckwheat, not over 1% charcoal, 1% calcium, 1% salt. Ingredients differ from license	As certified
00	4.28	10.50	54.97	Corn meal, wheat middlings, oat flour, meat and bone scraps, dried buttermilk, bone meal, calcium carbonate, 1% fine salt, 1% iron oxide, 1% gentian, calcium phosphate, 1% charcoal	See below (C)
					As certified
00	11.60	6.80	55.84	Wheat bran, beet pulp, ground alfalfa, molasses, ground grain screenings, salt	As certified
00	13.99	6.55	48.13	Cotton seed meal, gluten feed, oat feed (oat hulls, oat shorts, oat middlings), ground wheat screenings, molasses, 1% salt	As certified
50	3.95	4.40	49.59	Blood flour, linseed meal, hominy feed, yellow corn feed meal, wheat flour, 1% bone phosphate of lime, 1% salt	As certified
00	7.80	8.50	50.65	Wheat middlings, wheat bran, gluten feed, corn meal, alfalfa leaf flour, linseed meal, granulated meat, charcoal, not over 1% salt	As certified

(A) Also detected oats.
(B) Beet pulp declared, but not detected; cocoa meal, molasses, grain screenings and dried grains detected, but not declared.
(C) Ground milo kaffir, buckwheat and barley declared, but not detected.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND
Ralston Purina Co., St. Louis, Mo.—Cont.								
Purina Chicken Chowder Feed	Linwood	9.68	19.00	**19.13**	4.00	**4.28**	8.00	**7.68**
Purina Chicken Fat Chow Feed	Easton	9.77	15.50	**16.06**	4.60	**4.92**	4.50	**4.00**
Purina Chicken Fatena Feed	Baltimore	9.60	12.00	**13.78**	4.60	**4.67**	6.60	**5.70**
Purina Baby Chick Chow Feed	Linwood	11.18	10.00	**10.62**	2.00	**2.25**	4.00	**2.38**
Purina Chick Growena Feed	Bel Air	10.05	18.00	**18.69**	4.00	**5.22**	7.00	**6.85**
Purina Chick Growena Feed	Lewistown	11.95	18.00	**18.52**	4.00	**3.75**	7.00	**7.02**
Purina Chick Startena, with BM	Westminster	9.33	17.00	**18.25**	4.00	**5.95**	6.50	**6.95**
Purina Cow Chow Feed	Rising Sun	9.35	24.00	**26.15**	4.00	**5.10**	12.00	**11.52**
Purina Cow Chow Feed	Westminster	9.73	24.00	**26.15**	4.00	**5.93**	12.00	**11.40**
Purina Hen Chow Feed	Rising Sun	11.05	10.00	**10.35**	2.50	**3.28**	4.00	**2.88**
Purina Hen Chow Feed	Linwood	11.90	10.00	**10.71**	2.50	**3.10**	4.00	**3.10**
Purina Intermediate Hen Chow Feed	Hagerstown	12.18	10.00	**10.62**	2.50	**2.40**	4.00	**2.28**
Purina Legume Chow Feed	Cumberland	10.93	20.00	**20.45**	3.80	**4.30**	8.00	**6.73**
Purina O Molene Feed	Rising Sun	12.05	9.70	**10.76**	3.20	**3.67**	9.00	**7.72**
Purina Pigeon Chow Feed	Hagerstown	11.37	14.00	**14.57**	2.00	**2.35**	4.00	**2.92**
Purina Pigeon Chow Feed	Easton	11.12	12.00	**13.16**	2.00	**2.55**	4.00	**2.40**
Purina Pig Chow Feed	Westminster	11.93	20.00	**21.06**	3.20	**3.43**	7.00	**6.23**
Purina Special 34% Cow Chow Feed	Oakland	8.23	34.00	**35.72**	3.50	**4.71**	12.00	**9.85**
Purina Steer Fatena Cubes	Taneytown	9.55	14.00	**13.81**	2.80	**3.78**	7.00	**6.88**
Purina Steer Fatena Cubes	Rising Sun	10.05	14.00	**14.92**	2.80	**4.13**	7.00	**11.03**
Winner Scratch Feed	Cumberland	10.80	10.00	**10.00**	2.00	**3.35**	5.00	**3.08**
E. Raugh & Sons Animal Feed Co., Indianapolis, Ind.								
Raugh's Complete Poultry Mineral	Denton	.....	.....	.....	.....	.....	.....	.....
Raugh's Meato	Denton	7.42	75.00	**75.12**	10.00	**9.85**	1.00	**1.07**
Reckord Manufacturing Co., Bel Air, Md.								
Pure Wheat Bran	Bel Air	8.78	14.00	**15.80**	3.50	**4.83**	10.00	**8.28**
Pure Wheat Middlings	Bel Air	11.38	15.00	**16.06**	3.50	**4.73**	5.00	**3.90**
Red Wing Milling Co., Red Wing, Minn.								
Red Wing Special Wheat Flour Middlings	Baltimore	9.83	16.50	**17.29**	4.00	**4.95**	6.00	**5.53**
Reindollar Bros. & Co., Taneytown, Md.								
Chick Feed	Taneytown	11.05	10.00	**11.41**	4.00	**4.05**	3.00	**1.95**
Rein-O-La Laying Mash	Taneytown	9.07	19.00	**19.31**	4.00	**4.92**	8.00	**7.17**
*Scratch	Taneytown	10.98	10.00	**10.27**	4.00	**3.28**	3.00	**2.88**

* Means deficient in protein or fat.

Fibre		Ash	Nitrogen Free Extract	INGREDIENTS	
Guaranteed	FOUND			GUARANTEED	IDENTIFIED
8.00	7.68	8.40	50.83	Wheat middlings, wheat bran, gluten feed, corn meal, alfalfa leaf flour, linseed meal, granulated meat, charcoal, not over 1% salt	As certified
4.50	4.00	5.16	60.09	Dried buttermilk, rolled oats, ground oats, ground corn, kaffir meal, barley meal, corn germ meal, wheat flour, linseed flour, bone meal, ½% salt. Ingredients differ from license	As certified
6.60	5.70	5.02	61.23	Ground oats, ground corn, corn germ meal, wheat flour, linseed meal, rolled oats, bone meal, ½ of 1% salt	As certified
4.00	2.38	1.50	72.07	Wheat, corn, kaffir, milo, millet,	As certified
7.00	6.85	6.40	52.79	Wheat middlings, wheat bran, oat meal, corn meal, alfalfa leaf flour, linseed meal, granulated meat, charcoal, 1% salt, dried buttermilk Ingredients differ from license.	As certified
7.00	7.02	8.60	50.16	Wheat middlings, wheat bran, dried buttermilk, oat meal, bone meal, alfalfa leaf flour, linseed meal, granulated meat, charcoal, 1% salt. Ingredients differ from license	As certified
6.50	6.95	8.70	50.82	Dried buttermilk, linseed meal, corn meal, wheat middlings, wheat bran, oat meal, alfalfa leaf meal, granulated meal, ½ of 1% charcoal, ½ of 1% salt. Ingredients differ from license	As certified
12.00	11.52	7.95	39.93	Linseed oil meal, gluten feed, hominy feed, corn feed meal, cotton seed meal, molasses, ground alfalfa, wheat middlings, salt	As certified
12.00	11.40	6.35	40.44	Same as above	As certified
4.00	2.88	1.60	70.84	Wheat, corn, barley, kaffir, milo. buckwheat, sunflower seed	See below (A)
4.00	3.10	2.10	69.09	Same as above	As certified
4.00	2.28	1.30	71.22	Wheat, corn, kaffir, milo, buckwheat	As certified
8.00	6.73	6.20	51.39	Linseed meal, gluten, feed hominy feed, molasses, cotton seed meal, wheat bran, wheat middlings, 1% salt	As certified
9.00	7.72	3.91	61.89	Cracked corn, crushed oats, ground alfalfa, molasses, O. P. linseed oil meal, 1% salt	As certified
4.00	2.92	2.02	66.77	Millet seed, wheat, kaffir, milo, Canada peas. Ingredients differ from license	As certified
4.00	2.40	2.75	68.02	Same as above	As certified
7.00	6.23	7.20	50.10	Hominy feed, molasses, corn meal, corn germ meal, digester tankage, linseed meal, alfalfa leaf flour, wheat middlings, charcoal, 1% salt	As certified
12.00	9.85	6.45	35.04	Linseed meal, molasses, gluten meal, cotton seed meal, alfalfa meal, 1% salt	As certified
7.00	6.88	9.21	56.77	Molasses, cotton seed meal, linseed meal, hominy feed, ground grain screenings, (from flaxseed, wheat, oats, corn, kaffir, and barley), salt, charcoal	As certified
7.00	11.03	9.82	50.05	Same as above	As certified
5.00	3.08	1.65	71.12	Wheat, corn, barley, kaffir, milo, buckwheat	As certified
....	.....	.....	.....	Sodium chloride, sterilized steamed bone meal, calcium phosphate precipitate, calcium carbonate, hard wood ashes unleached, sulphur, sulphate of iron	As certified
1.00	1.07	9.80	.....		As certified
0.00	8.28	6.06	56.25		As certified
5.00	3.90	3.02	60.91		As certified
6.00	5.53	3.90	58.50		As certified
3.00	1.95	1.40	70.14	Corn, wheat, hulled oats, kaffir corn, millet	See below (B)
8.00	7.17	9.10	50.43	Corn chop, wheat bran, wheat middlings, meat meal, oil meal, alfalfa meal, salt	As certified
3.00	2.88	1.40	71.19	Corn, wheat, buckwheat, kaffir, oats, sunflower, peas	See below (C)

(A) Also detected oats.
(B) Also detected milo.
(C) Also detected barley and milo.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Reindollar Co., Taneytown, Md.										
20% Dairy Ration	Taneytown	8.93	20.00	**23.61**	4.00	**4.38**	12.50	**10.10**	5.30	47
Egg Mash	Taneytown	9.73	20.00	**22.99**	4.00	**5.63**	8.00	**6.55**	8.50	46
Pure Winter Wheat Bran	Taneytown	8.68	14.00	**15.45**	4.00	**4.65**	9.00	**9.23**	6.20	55
Scratch Grains	Taneytown	10.73	9.00	**10.62**	2.00	**2.93**	5.00	**3.50**	1.70	70
Winter Wheat Middlings, with M. R. of Screenings	Taneytown	11.35	16.00	**17.38**	4.50	**4.65**	5.00	**4.38**	3.10	59
Richardson Bros., Westminster, Md.										
Pigeon Feed	Westminster	9.88	14.00	**13.43**	4.00	**4.48**	5.00	**3.33**	1.90	66
Richbro Baby Chick Starter, with Cod Liver Oil and BM	Westminster	11.50	12.50	**12.72**	4.00	**4.78**	3.25	**3.40**	4.90	62
*Richbro Hog and Pig Meal	Westminster	10.80	15.00	**14.35**	5.00	**3.99**	7.00	**6.25**	9.66	54
Walck Laying Mash	Westminster	10.45	20.00	**19.92**	5.00	**5.18**	9.00	**8.30**	8.91	47
Daniel Rider Inc., Baltimore, Md.										
Winner Dairy Feed	Baltimore	11.30	16.00	**17.99**	3.00	**3.85**	10.00	**12.70**	8.70	45
Winner Horse Feed	Baltimore	11.95	9.00	**10.79**	2.00	**3.70**	14.00	**8.68**	3.58	61
Winner Scratch Feed	Baltimore	12.92	9.00	**10.27**	3.00	**2.57**	4.00	**2.75**	1.53	72
G. C. Rieck, Preston, Md.										
Supreme Laying Mash	Preston	9.80	20.00	**20.71**	5.00	**5.07**	8.00	**4.87**	8.80	50
Rinaman & Brown, Hampstead, Md.										
Brown's Egg Mash	Hampstead	8.55	21.00	**20.97**	4.50	**5.05**	8.00	**9.55**	10.59	45
Robinson Bros., Cardiff, Md.										
*Robinson's 20% Dairy Feed	Pylesville	9.05	20.00	**20.88**	4.25	**2.76**	8.50	**11.50**	7.15	48
Robinson's 24% Dairy Feed	Pylesville	10.40	24.00	**24.92**	4.25	**4.03**	11.00	**11.67**	7.65	41
Robinson's 24% Dairy Feed	Pylesville	8.22	24.00	**25.27**	4.25	**4.76**	11.00	**11.33**	7.60	42
Robinson's 32% Dairy Feed	Pylesville	7.95	32.00	**32.21**	5.25	**5.57**	8.50	**8.72**	7.00	38
Robinson's 32% Dairy Feed	Cardiff	8.27	32.00	**31.85**	5.25	**5.90**	8.50	**8.60**	6.84	38
Robinson's 20% Laying Mash	Cardiff	9.35	20.00	**20.18**	4.75	**5.37**	10.00	**9.07**	8.38	47
Robinson's 20% Laying Mash	Cardiff	9.07	20.00	**20.18**	4.75	**4.95**	10.00	**9.80**	8.00	48
Rockdale Roller Mills, Vale, Md.										
Pure Wheat Bran	Vale	8.85	14.00	**15.97**	3.50	**4.50**	9.00	**8.00**	6.15	56
Pure Wheat Middlings	Vale	10.98	14.00	**15.88**	3.50	**4.53**	5.00	**4.63**	3.33	60

* Means deficient in protein or fat.

Fibre Guaranteed	Fibre FOUND
12.50	10.10
8.00	6.55
9.00	9.23
5.00	3.50
5.00	4.38
5.00	3.33
3.25	3.40
7.00	6.25
9.00	8.30
0.00	12.70
4.00	8.68
4.00	2.75
8.00	4.87
8.00	9.55
3.50	11.50
1.00	11.67
.00	11.33
.50	8.72
.50	8.60
.00	9.07
.00	9.80
.00	8.00
.00	4.63

Ash	Nitrogen Free Extract	INGREDIENTS — GUARANTEED	IDENTIFIED
5.30	47.68	Cotton seed meal, O. P. linseed oil meal, wheat middlings, wheat bran, corn gluten feed, (Schumacher feed or corn chop), dried beet pulp, ½% salt	As certified
8.50	46.60	Wheat bran, wheat middlings, corn chop, gluten feed meal, oil meal, alfalfa meal, beef scrap	As certified
6.20	55.79		As certified
1.70	70.52	Cracked corn, whole wheat, whole barley, kaffir corn, milo maize, buckwheat, wheat screenings, ½ of 1% sunflower	As certified
3.10	59.14		As certified
1.90	66.98	Canada peas, wheat, hemp, buckwheat, millet, hulled oats, rice	See below (A)
4.90	62.70	Corn meal, wheat middlings, oat flour, alfalfa meal, buttermilk, cod liver oil, bone charcoal, calcium phosphate, potassium iodide, ½ of 1% salt	As certified
9.66	54.95	Hominy chop, corn chop, middlings, charcoal, fish meal, beef scrap, alfalfa meal, oil meal, wheat bran, salt	As certified
8.91	47.24	Bran, middlings, beef scrap, alfalfa meal, corn meal, ground oats, oil meal, charcoal, gluten, salt	As certified
8.70	45.46	Cotton seed meal, cane molasses, cocoanut oil meal, corn gluten feed, brewers dried grains, O. P. oil meal, oat meal mill by-product (oat hulls, oat middlings, oat shorts), reground grain screenings from wheat, salt, ½% CaCO3. Ingredients differ from license	As certified
3.58	61.30	Cracked corn, crushed oats, wheat bran, alfalfa meal, cane molasses, ½% salt. Ingredients differ from license	As certified
1.53	72.71	Corn, barley, kaffir, wheat, buckwheat, oats, recleaned grain screenings from wheat	As certified
8.80	50.75	Middlings, corn meal, bran, ground oats, gluten meal, meat scraps	As certified
10.59	45.29	Corn feed meal, ground oats, flour middlings, bran, corn gluten feed, alfalfa meal, O. P. linseed meal, meat scrap, buttermilk, salt, bone meal, charcoal	See below (B)
7.15	48.66	Corn gluten, cotton seed meal, O. P. linseed oil meal, wheat bran, ground corn, ground oats, peanut meal, bone meal, CaCO3, salt. Ingredients differ from license	As certified
7.65	41.33	Corn gluten, cotton seed meal, O. P. linseed oil meal, dried brewers grains, wheat bran, ground oats, peanut meal, bone meal, CaCO3, salt. Ingredients differ from license	As certified
7.60	42.82	Corn gluten, cotton seed meal, O. P. oil meal, wheat bran, ground corn, ground oats, peanut meal, bone meal, CaCO3, salt	As certified
7.00	38.55	Corn gluten meal, cotton seed meal, dried brewers grains, O. P. linseed oil meal, wheat bran, peanut meal, bone meal, CaCO3, salt	As certified
6.84	38.54	Same as above	As certified
8.38	47.65	Corn gluten feed, wheat middlings, wheat bran, ground oats, ground corn, meat scrap, ½ of 1% salt	As certified
8.00	48.00	Same as above	As certified
6.15	56.53		As certified
3.33	60.65		As certified

(A) Also detected kaffir and milo.
(B) Also detected dried beet pulp and ground oyster shell.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Rosenbaum Bros., Chicago, Ill.										
Advance Chick Scratch N. G.	Hampstead	11.13	10.00	**10.27**	2.00	**3.45**	5.00	**1.68**	1.50	71.
Advance Scratch Feed N. G.	Hampstead	10.63	10.00	**10.11**	2.00	**3.60**	6.00	**2.63**	1.40	71.
Vitality Chick Starter	Hampstead	9.88	15.00	**17.47**	5.00	**4.95**	6.00	**5.08**	13.35	49.
Vitality Coarse Chick Scratch	Hampstead	12.25	10.00	**10.53**	3.50	**3.08**	3.00	**1.93**	1.15	71.
Vitality Egg Mash	Baltimore	9.02	20.00	**20.18**	4.00	**5.47**	8.00	**6.57**	9.85	48.
Vitality Growing Mash	Hampstead	10.33	15.00	**16.67**	5.00	**5.33**	6.00	**5.65**	8.15	53.
Vitality Scratch Feed N. G.	Baltimore	11.80	10.00	**10.35**	2.50	**3.00**	5.00	**2.87**	2.32	69.
C. E. Routzahn, Breathedsville, Md.										
Pure Wheat Bran	Breathedsville	8.60	15.60	**17.02**	3.00	**4.58**	9.00	**8.93**	6.15	54.
Pure Wheat Middlings	Breathedsville	11.58	15.00	**16.06**	2.50	**4.25**	2.08	**4.28**	4.05	59.
Rowlandville Flour Mill, Rowlandville, Md.										
Corn and Re-Ground Oats Feed	Rowlandville	9.67	8.00	**9.83**	3.00	**3.67**	4.00	**6.95**	2.36	67.
Corn and Re-Ground Oats Feed	Rowlandville	11.25	8.00	**10.00**	3.00	**3.90**	4.00	**7.43**	2.80	64.
*Corn and Re-Ground Oats Feed	Rowlandville	12.17	8.00	**10.97**	3.00	**2.00**	4.00	**9.25**	2.88	62.
Pure Wheat Bran	Rowlandville	8.50	14.00	**15.97**	4.00	**3.90**	9.00	**8.75**	5.72	57.
Pure Wheat Bran	Rowlandville	8.28	14.00	**14.74**	4.00	**4.18**	9.00	**8.58**	6.50	57.
*Pure Wheat Mixed Feed	Rowlandville	11.85	14.00	**15.27**	4.00	**3.45**	8.00	**3.95**	2.37	63.
Pure Gray Shorts	Rowlandville	12.28	15.00	**15.18**	4.50	**4.00**	6.00	**4.25**	3.50	60.
M. V. Runkles, Mt. Airy, Md.										
Egg Mash	Mt. Airy	9.65	22.00	**23.52**	6.00	**6.80**	9.00	**7.97**	10.44	41.
George G. Ruppersberger & Sons, Inc., Baltimore, Md.										
Farmers Pride Baby Chick Starter	Baltimore	11.45	12.00	**15.80**	5.00	**5.35**	5.00	**2.95**	7.15	57.
*Farmers Pride Chick Feed	Baltimore	11.68	11.00	**11.23**	5.00	**3.20**	4.00	**1.68**	1.65	70.
Farmers Pride Growing Mash	Baltimore	10.40	18.00	**17.99**	5.00	**5.60**	6.00	**7.08**	6.40	52.
Farmers Pride Milk Flo Dairy	Baltimore	9.30	20.00	**23.08**	5.00	**5.00**	10.00	**9.98**	5.70	46.
Farmers Pride Laying Mash	Baltimore	10.13	20.00	**19.92**	7.00	**7.18**	7.00	**7.63**	7.70	47.
Farmers Pride Scratch Feed	Baltimore	12.50	11.00	**12.29**	3.50	**3.08**	5.00	**3.52**	1.50	69.
Russell-Miller Milling Co., Minneapolis, Minn.										
Alta Hard Wheat Middlings	Union Bridge	9.18	15.00	**17.11**	4.50	**5.40**	8.50	**6.85**	3.90	57.
Hard Wheat Occident Bran	Union Bridge	8.05	15.00	**17.90**	4.50	**5.72**	8.50	**9.70**	6.67	51.
Ryde & Co., Chicago, Ill.										
"Hav-To-Grow" Chick Mash	Manchester	10.03	16.00	**17.11**	4.00	**4.85**	5.00	**3.90**	6.60	57.
Ryde's Cream Quality Calf Meal	Hampstead	11.85	25.00	**25.01**	5.00	**5.18**	6.75	**5.75**	6.00	46.
"Ryde-Co" Fine Chick Feed	Easton	12.05	10.00	**11.76**	2.50	**2.52**	5.00	**1.67**	1.53	70.
Ryde's "Startrite" Chick Food	St. Michaels	10.25	14.00	**15.97**	4.00	**4.95**	3.50	**2.80**	7.83	58.

* Means deficient in protein or fat.

(A)
(B)
(C)
(D)

Fibre		Ash	Nitrogen Free Extract	INGREDIENTS	
Guaranteed	FOUND			GUARANTEED	IDENTIFIED
5.00	1.68				
6.00	2.63	1.50	71.97	Cracked wheat, sifted cracked corn, cracked kaffir corn, millet seed	As certified
6.00	5.08	1.40	71.63	Sifted cracked corn, wheat, kaffir, oats, barley, buckwheat,	As certified
3.00	1.93	13.35	49.27	Buttermilk, oat meal, bone meal, wheat middlings, corn feed meal,	As certified
8.00	6.57	1.15	71.06	Cracked corn, whole wheat, whole milo, whole kaffir corn, oat groats, buckwheat.	As certified
6.00	5.65	9.85	48.91	Buttermilk, oat meal, meat scraps, bone meal, corn feed meal, wheat middlings, alfalfa meal, corn germ meal	As certified
5.00	2.87	8.15	53.87	Buttermilk, oat meal, meat scraps, bone meal, corn feed meal, wheat middlings, alfalfa meal, corn germ meal	As certified
		2.32	69.66	Wheat, sifted cracked corn, kaffir corn, barley, oats, sunflower seed, buckwheat.	As certified
9.00	8.93				
2.08	4.28	6.15	54.72		As certified
		4.05	59.78		As certified
4.00	6.95				
		2.36	67.16	Shelled corn, corn bran, corn feed meal, corn screenings, wheat screenings, oats and reground oat hulls	As certified
4.00	7.43				
4.00	9.25	2.80	64.62	Same as above	As certified
9.00	8.75	2.88	62.73	Same as above	As certified
9.00	8.58	5.72	57.16		As certified
8.00	3.95	6.50	57.72		As certified
6.00	4.25	2.37	63.11		As certified
		3.50	60.79		As certified
9.00	7.97				
		10.44	41.62	Wheat bran, ground oats, wheat middlings, corn chop, cotton seed meal, alfalfa meal, meat scrap, sulphur, charcoal, salt	As certified
5.00	2.95				
		7.15	57.30	Corn meal, oat meal, wheat middlings, leaf alfalfa meal, fish meal, calcium carbonate, salt. Ingredients differ from license	See below (A)
4.00	1.68	1.65	70.06	Cracked corn, pinhead oats, red millet, cracked kaffir, milo, steel cut wheat	As certified
5.00	7.08	6.40	52.53	Wheat bran, flour middlings, hominy, linseed oil meal, crushed oats, alfalfa meal, meat meal, blood meal, bone meal, salt. Ingredients differ from license	As certified
9.00	9.98	5.70	46.94	Wheat bran, hominy, standard middlings, linseed oil meal, peanut meal, cotton seed meal, gluten feed, ground oats and salt. Ingredients differ from license	As certified
7.00	7.63	7.70	47.44	Bran, middlings, hominy, gluten feed, ground oats, meat meal, alfalfa meal, salt. Ingredients differ from license	As certified
3.00	3.52	1.50	69.09	Cracked corn, kaffir corn, recleaned barley, wheat, sunflower seed, buckwheat	See below (B)
3.50	6.85				
9.50	9.70	3.90	57.56		As certified
		6.67	51.96		As certified
4.00	3.90				
6.75	5.75	6.60	57.51	Meat scraps, dried buttermilk, bone meal, oat flour, corn feed meal, wheat flour middlings, barley flour, alfalfa, beans, salt	See below (C)
		6.00	46.21	Wheat flour, linseed oil meal, recleaned cotton seed meal, cocoanut oil meal, beans and lentils, hominy feed, locust bean meal, blood meal, ground flaxseed, malt flour, cocoa shell meal, dried milk, $CaCO_3$, salt, fenugreek, anise	As certified
2.00	1.67	1.53	70.47	Corn, wheat, kaffir, millet, hulled oats	See below (D)
4.50	2.80	7.83	58.20	Ground oat groats, dried buttermilk, meat scraps, bone meal, wheat flour middlings, corn meal, rape seed, millet, $CaCO_3$, salt	As certified

(A) Also detected bone meal.
(B) Also detected milo maize.
(C) Also detected trace of linseed meal, also small amount of millet and weed seed.
(D) Also detected cracked milo maize.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
St. Michaels Milling Co., St. Michaels, Md.										
Pure Wheat Bran	Cardova	8.30	14.00	**14.13**	4.00	**4.40**	11.00	**9.47**	6.45	5
Pure Wheat Bran	St. Michaels	10.17	14.00	**14.65**	4.00	**4.40**	11.00	**10.37**	6.15	5
Pure Wheat Middlings	Cardova	10.85	14.00	**14.30**	4.00	**3.87**	6.00	**4.32**	3.02	6
Pure Wheat Middlings	St. Michaels	12.37	14.00	**16.06**	4.00	**3.70**	6.00	**4.52**	3.18	6
St. Paul Milling Co., St. Paul, Minn.										
Komo Pure Wheat Bran	Parkton	10.72	14.00	**15.62**	4.00	**5.42**	12.00	**10.83**	6.59	5
William G. Scarlett & Co., Baltimore. Md,										
Oriole Brand AAA Pigeon Feed	Baltimore	11.94	16.00	**17.11**	3.00	**3.12**	4.00	**4.85**	2.53	6
Oriole Brand AA Pigeon Feed	Baltimore	10.97	13.00	**12.99**	3.50	**3.11**	4.00	**3.02**	1.91	6
*Oriole Brand Beef Scraps	Baltimore	6.82	50.00	**57.79**	12.00	**8.90**	1.00	**2.20**	23.20	
Oriole Brand Chick Developer	Baltimore	10.60	10.60	**11.85**	3.70	**3.45**	2.00	**2.17**	1.58	7
Oriole Brand Chick Starter	Baltimore	10.77	10.60	**12.64**	3.70	**4.75**	2.00	**2.42**	2.33	6
Oriole Brand Dry Mash	Baltimore	8.70	20.00	**21.94**	4.00	**5.07**	11.00	**6.37**	7.25	5
Oriole Brand Special Pigeon Feed	Baltimore	11.15	16.00	**17.11**	3.00	**3.00**	4.00	**3.87**	2.50	6
Wm. Schluderberg-T. J. Kurdle Co., Baltimore, Md.										
*Esskay Quality Digester Tankage	Baltimore	5.02	60.00	**60.29**	8.00	**7.26**	5.00	**3.22**	21 51	
*Esskay Quality Digester Tankage	Hagerstown	5.82	60.00	**60.11**	8.00	**6.42**	5.00	**3.42**	20.26	
Esskay Quality Digester Meat Meal	Baltimore	7.17	46.00	**49.63**	10.00	**9.50**	5.00	**6.05**	21.10	6
Esskay Quality Digester Meat Meal	New Windsor	6.47	46.00	**47.21**	10.00	**10.17**	5.00	**4.30**	25.80	6
Esskay Quality Meat Scrap	St. Michaels	7.77	50.00	**51.34**	6.00	**11.67**	5.00	**2.52**	24.10	2
Esskay Quality Meat Scrap	Baltimore	8.90	50.00	**53.97**	6.00	**8.22**	5.00	**2.52**	24.41	1
Esskay Quality Meat Scrap	Cockeysville	7.25	50.00	**52.13**	6.00	**9.90**	5.00	**1.87**	27.55	1
Esskay Quality Meat Scrap	Baltimore	7.97	55.00	**55.46**	6.00	**8.95**	5.00	**2.35**	25.00	
*Esskay Quality Meat Scrap	St. Michaels	6.50	55.00	**52.22**	6.00	**13.00**	5.00	**3.40**	22.20	2
Esskay Quality Poultry Bone	Baltimore	5.85	20.00	**21.94**	2.00	**8.25**	5.00	**.55**	48.94	14
Esskay Quality Poultry Bone	Baltimore	6.13	20.00	**25.10**	2.00	**6.15**	5.00	**1.13**	57.80	3
Esskay Quality Soluble Blood	Baltimore	7.45	83.00	**89.16**	.50	**.72**	5.00	**.85**	4.20	.
Esskay Quality Soluble Blood	Baltimore	5.92	83.00	**90.52**	.50	**.95**	5.00	**1.40**	3.75	.
A. W. Scott Co., San Francisco, Cal.										
*"Atlas" Brand California Alfalfa Meal	Baltimore	9.35	16.00	**16.50**	4.00	**1.66**	22.00	**26.16**	8.86	37
*"Atlas" Brand California Alfalfa Meal	Owings Mills	8.90	15.00	**16.50**	4.00	**1.30**	22.00	**29.03**	8.40	35
Seaboard Products Co., Baltimore, Md.										
Terrapin Brand Fish Meal	Baltimore	9.60	55.00	**55.94**	8.00	**7.50**	2.00	**.57**	19.78	6
†Terrapin Brand Fish Meal	Baltimore	9.62	55.00	**51.69**	8.00	**7.49**	2.00	**.54**	26.43	4
*Terrapin Brand Fish Meal	Maugansville	9.77	55.00	**59.76**	8.00	**6.04**	2.00	**.52**	20.10	3
*Terrapin Brand Fish Meal	Hagerstown	9.20	55.00	**61.34**	8.00	**7.29**	2.00	**.50**	18.46	3
Terrapin Brand Fish Meal	Baltimore	9.05	55.00	**61.34**	8.00	**7.95**	2.00	**.67**	20.26	
*"Vim 50" Meat and Bone Scraps	Baltimore	7.30	50.00	**48.71**	8.00	**7.87**	2.00	**1.62**	33.11	1
"Vim 55" Meat Scraps	Baltimore	6.35	55.00	**55.55**	8.00	**12.32**	2.00	**1.40**	24.04	
Ira C. Sewell, Cardova, Md.										
Pure Wheat Bran	Cardova	11.40	13.43	**14.22**	3.95	**3.57**	7.98	**9.20**	5.43	56
*Pure Wheat Middlings	Cardova	13.40	13.25	**15.27**	4.00	**3.35**	5.00	**3.15**	3.03	61
Sherwin-Williams Co., Cleveland, Ohio.										
S. W. C. Linseed Oil Meal	Sandy Springs	9.43	34.00	**35.45**	5.00	**6.83**	10.00	**8.48**	4.65	35

* Means deficient in protein or fat.
† Means deficient in both protein and fat.

(A)
(B)
(C)
(D)

Fibre		Ash	Nitrogen Free Extract	INGREDIENTS	
Guaranteed	FOUND			GUARANTEED	IDENTIFIED
11.00	9.47	6.45	57.25		As certified
11.00	10.37	6.15	54.26		As certified
6.00	4.32	3.02	63.64		As certified
6.00	4.52	3.18	60.17		As certified
12.00	10.83	6.59	50.82		As certified
4.00	4.85	2.53	60.44	Kaffir corn, buckwheat, hemp seed, millet seed, peas, hulled oats, rice properly balanced. Ingredients differ from license	As certified
4.00	3.02	1.91	68.00	Corn, wheat, buckwheat, hemp seed, peas, kaffir corn, millet seed. Ingredients differ from license	As certified
1.00	2.20	23.20	1.09		As certified
2.00	2.17	1.58	70.35	Cracked corn, cracked wheat, cracked kaffir corn, millet seed, ground oats	As certified
2.00	2.42	2.33	67.09	Cracked corn, cracked wheat, cracked kaffir corn, millet seed, pinhead oats properly balanced	As certified
1.00	6.37	7.25	50.67	Wheat bran, wheat middlings, gluten feed, alfalfa meal, corn chop, beef scrap, flaxseed meal, ½ of 1% salt	As certified
4.00	3.87	2.50	62.37	Wheat, kaffir corn, buckwheat, millet seed, hulled oats, rice, peas, hemp seed properly balanced. Ingredients differ from license	As certified
5.00	3.22	21 51	2.70		As certified
5.00	3.42	20.26	3.97		As certified
5.00	6.05	21.10	6.55		See below (A)
5.00	4.30	25.80	6.05		See below (B)
5.00	2.52	24.10	2.60		As certified
5.00	2.52	24.41	1.98		As certified
5.00	1.87	27.55	1.30		As certified
5.00	2.35	25.00	.27		As certified
5.00	3.40	22.20	2.68		As certified
5.00	.55	48.94	14.47		As certified
5.00	1.13	57.80	3.69		As certified
5.00	.85	4.20	.....		As certified
5.00	1.40	3.75	.....		As certified
2.00	26.16	8.86	37.47		As certified
2.00	29.03	8.40	35.87		As certified
2.00	.57	19.78	6.61		See below (C)
2.00	.54	26.43	4.23		As certified
2.00	.52	20.10	3.81		As certified
2.00	.50	18.46	3.21		As certified
2.00	.67	20.26	.73		As certified
2.00	1.62	33.11	1.39		See below (D)
2.00	1.40	24.04	.34		As certified
2.98	9.20	5.43	56.18		As certified
2.00	3.15	3.03	61.80		As certified
2.00	8.48	4.65	35.16		As certified

(A) Contains fibrous material (oat hulls, chaff, straw, etc.).
(B) Detected excessive amount of hair and fibrous material.
(C) Misbranded and adulterated; contains apple pomace.
(D) Misbranded and adulterated; contains fish meal and apple pomace.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	
Sherwood Roller Mills, Sandy Springs, Md.									
Pure Wheat Bran	Sandy Springs	10.90	14.00	**15.80**	4.00	**4.27**	10.00	**6.35**	5.04
M. L. Shoemaker & Co., Inc., Philadelphia, Pa.									
Shoemaker's "Swift-Sure" Beef Scrap	Westminster	5.65	55.00	**55.09**	6.00	**8.95**	3.00	**1.75**	28.49
Shoemaker's "Swift-Sure" Beef Scrap	Baltimore	5.42	55.00	**54.85**	6.00	**9.15**	3.00	**1.42**	29.00
Shoemaker's "Swift-Sure" Beef Scrap	Frederick	5.11	55.00	**55.99**	6.00	**11.74**	3.00	**1.97**	24.90
Shoemaker's "Swift-Sure" Beef Scrap	Frederick	6.00	55.00	**55.29**	6.00	**10.45**	3.00	**2.43**	25.75
Shoemaker's "Swift-Sure" Beef Scrap	Frederick	5.80	55.00	**54.06**	6.00	**12.45**	3.00	**1.85**	26.00
Shoemaker's "Swift-Sure" Meat Scrap	Mardela Springs	5.52	50.00	**53.35**	6.00	**8.35**	3.00	**1.62**	30.14
Shoemaker's "Swift-Sure" Meat Scrap	Frederick	6.25	50.00	**50.46**	6.00	**9.67**	3.00	**1.65**	31.21
Shoemaker's "Swift-Sure" Meat Scrap	Westminster	5.92	50.00	**50.46**	6.00	**9.55**	3.00	**1.72**	30.30
D. P. Smelser & Son, New Windsor, Md.									
Smelser's Bran	New Windsor	10.92	16.41	**17.20**	4.30	**4.17**	9.08	**8.12**	5.87
Smelser's Middlings	New Windsor	12.20	15.40	**16.85**	3.45	**3.77**	3.78	**4.52**	3.89
Smith Hoyle, Boyds, Md.									
*Pure Wheat Bran	Boyds	10.75	14.00	**14.57**	4.50	**3.87**	8.00	**8.35**	6.38
Pure Winter Wheat Middlings	Boyds	11.25	14.00	**16.50**	2.50	**3.70**	3.00	**3.77**	4.22
Southwestern Milling Co., Inc., Kansas, City, Mo.									
Red Turkey Pure Wheat Bran	Hampstead	6.73	14.50	**17.25**	4.00	**4.45**	11.80	**10.18**	7.20
Spencer Kellogg & Sons, Inc., Buffalo, N. Y.									
Kellogg's Pure Old Process Linseed Meal	Walkersville	9.75	34.00	**36.73**	5.00	**6.30**	10.00	**7.70**	4.70
Kellogg's Pure Old Process Linseed Meal	Middleburg	10.35	34.00	**34.84**	5.00	**5.72**	10.00	**8.00**	5.19
Kellogg's Pure Old Process Linseed Meal	Westminster	10.33	34.00	**37.38**	5.00	**6.10**	10.00	**7.80**	5.10
A. E. Staley Manufacturing Co., Decatur, Ill.									
Staley's Corn Gluten Feed	Sandy Springs	7.45	23.00	**26.70**	1.00	**1.88**	8.00	**8.95**	6.00
Staley's Corn Gluten Feed	Maugansville	8.12	23.00	**26.37**	1.00	**1.25**	8.00	**7.82**	4.60
Standard Milling Co., Clarksburg, W. Va.									
Corn Feed Meal	Oakland	8.75	9.20	**9.48**	4.00	**3.80**	3.60	**1.80**	1.32
Bran	Oakland	9.52	13.75	**16.32**	4.00	**4.85**	9.25	**9.40**	6.46
Middlings, Containing Mill Run of Screenings	Oakland	10.37	14.75	**14.75**	4.40	**4.60**	9.00	**5.15**	2.96
John T. Stanley Co., Inc., New York, N. Y.									
Stanley's 45% Protein Meat Scrap	Taneytown	5.57	45.00	**45.81**	10.00	**11.92**	3.00	**2.02**	30.47
Stanley's 45% Protein Meat Scrap	Germantown	5.95	45.00	**46.77**	10.00	**11.85**	3.00	**1.92**	30.73
Stanley's 45% Protein Meat Scrap	Frederick	9.87	45.00	**44.75**	10.00	**10.45**	3.00	**1.87**	31 98
W. E. Stanton, Grantsville, Md.									
Stanton's Laying Mash	Grantsville	9.85	20.00	**24.05**	5.00	**6.60**	7.00	**5.67**	8.88
Stanton's Laying Mash	Grantsville	11.52	20.00	**21.67**	5.00	**5.65**	7.00	**5.42**	9.23
Stanton's Laying Mash	Grantsville	8.40	20.00	**22.99**	5.00	**6.50**	7.00	**5.45**	7.60
Star & Crescent Milling Co., Minneapolis, Minn.									
Star Wheat Standard Middlings, with Ground Wheat Screenings N. Ex. M. R.	Sykesville	11.42	15.00	**17.64**	4.00	**4.42**	9.50	**6.57**	5.10
Cresent Wheat Flour Middlings	Hagerstown	12.00	15.00	**14.92**	3.00	**6.02**	6.00	**3.35**	3.50
Cresent Wheat Bran, with Ground Wheat Screenings N. Ex. M. R.	Hurlock	8.25	14.00	**13.95**	3.00	**4.95**	12.00	**12.32**	5.60

(A)
(B)
(C)

Fibre Guaranteed	Fibre FOUND	Ash	Nitrogen Free Extract	INGREDIENTS GUARANTEED	INGREDIENTS IDENTIFIED
0.00	6.35	5.04	57.64		As certified
3.00	1.75	28.49	.07		As certified
3.00	1.42	29.00	.16		As certified
3.00	1.97	24.90	.29		See below (A)
3.00	2.43	25.75	.08		As certified
3.00	1.85	26.00	.37		As certified
3.00	1.62	30.14	1.02		See below (B)
3.00	1.65	31.21	.76		See below (B)
3.00	1.72	30.30	2.05		As certified
9.08	8.12	5.87	53.72		As certified
3.78	4.52	3.89	58.77		As certified
3.00	8.35	6.38	56.08		As certified
3.00	3.77	4.22	60.56		As certified
1.80	10.18	7.20	54.19		As certified
9.00	7.70	4.70	34.82		As certified
9.00	8.00	5.19	35.90		As certified
9.00	7.80	5.10	33.29		As certified
3.00	8.95	6.00	49.02		As certified
3.00	7.82	4.60	51.84		As certified
1.60	1.80	1.32	74.85		As certified
9.25	9.40	6.46	53.45		As certified
7.00	5.15	2.96	62.17		As certified
3.00	2.02	30.47	4.21		As certified
3.00	1.92	30.73	2.78		As certified
3.00	1.87	31 98	10.95		As certified
3.00	5.67	8.88	44.95	Meat scrap, wheat bran, wheat middlings, corn chop, oat chop, ½ of 1% salt	See below (C)
3.00	5.42	9.23	46.51	Same as above	As certified
3.00	5.45	7.60	49.06	Same as above	As certified
1.50	6.57	5.10	54.85		As certified
3.00	3.35	3.50	60.21		As certified
3.00	12.32	5.60	54.93		As certified

(A) Detected hoof and horn.
(B) Should be meat and bone scrap.
(C) Also detected ground buckwheat.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	
Star Food & Remedy Co., Inc., Washington, D. C.									
*Star Chick Scratch	Mt. Rainier	11.93	10.00	**10.35**	4.00	**3.13**	4.00	**1.78**	1.50
*Star Developing Scratch	Annapolis	13.77	10.00	**10.35**	4.00	**2.42**	4.00	**2.50**	2.34
Star Growing Mash, with BM	Annapolis	11.15	16.00	**17.20**	4.00	**5.00**	7.00	**4.83**	8.65
Star Scratch Feed	Mt. Rainier	12.80	10.00	**10.00**	4.00	**3.90**	4.00	**2.85**	1.60
State Mill & Elevator, Grand Forks, N. D.									
Dakota Maid Pure Bran	Melrose	7.98	14.00	**15.18**	5.00	**5.98**	11.00	**10.70**	6.20
E. Steen & Bro., Baltimore, Md.									
Corn Feed Meal	Baltimore	10.97	8.00	**10.66**	3.00	**3.95**	5.00	**4.07**	3.34
Golden Goose Brand Scratch Feed	Baltimore	12.22	10.00	**10.00**	2.50	**2.80**	5.00	**2.62**	1.51
Golden Goose Brand Scratch Feed	Baltimore	11.87	10.00	**10.27**	2.50	**2.55**	5.00	**2.60**	1.69
Lord Baltimore Brand Scratch Feed	Baltimore	12.45	9.50	**9.48**	2.50	**2.90**	5.00	**2.40**	1.41
*Maryland Cereal Company Brand Stock Feed	Baltimore	11.52	10.00	**9.56**	5.00	**2.28**	7.00	**2.86**	1.94
D. A. Stickell & Sons, Inc., Hagerstown, Md.									
Blue Ridge Chick Feed	Boonsboro	9.20	10.00	**11.41**	2.50	**4.20**	5.00	**1.98**	2.00
Blue Ridge Chick Feed	Hagerstown	9.73	10.00	**11.41**	2.50	**4.95**	5.00	**1.78**	1.80
*Blue Ridge Dairy Feed	Rockville	9.67	21.00	**21.24**	5.50	**4.97**	12.00	**9.32**	7.44
Blue Ridge Egg Mash	Cumberland	9.97	20.00	**20.62**	5.00	**5.67**	8.00	**7.82**	9.19
Blue Ridge Scratch Grains	Rockville	11.77	10.00	**10.53**	2.50	**2.67**	5.00	**2.55**	1.28
Stickell's Baby Chick Starter	Hagerstown	8.98	15.00	**14.31**	5.00	**5.75**	4.50	**2.28**	8.20
Stickell's Egg Mash	Hagerstown	10.25	22.00	**21.02**	5.00	**6.60**	8.00	**5.43**	9.20
*Stickell's Growing Mash	Hancock	11.32	16.00	**16.50**	5.00	**3.27**	7.00	**4.45**	9.72
Stickell's Hog Ration	Chewsville	9.88	16.00	**16.41**	4.00	**3.90**	6.00	**4.08**	10.15
*Stickell's Horse Feed	Hancock	9.50	9.00	**11.33**	5.00	**3.92**	12.00	**8.55**	3.98
*Stickell's Horse Feed	Hancock	10.40	9.00	**10.63**	5.00	**3.64**	12.00	**9.72**	5.73
Stickell's Intermediate Chick Feed	Chewsville	11.20	10.00	**10.88**	2.50	**4.10**	5.00	**2.28**	1.60
Stickell's Milk Ration	Rockville	7.80	25.00	**26.85**	5.50	**5.10**	10.00	**8.65**	7.51
Stickell's Scratch Grains	Smithsburg	11.02	10.00	**10.44**	2.50	**2.90**	5.00	**2.57**	1.52
Stickell's Scratch Grains	Smithsburg	10.28	10.00	**10.44**	2.50	**3.63**	5.00	**3.20**	1.70
Stickell's Pure Soft Winter Wheat Bran	Chewsville	8.70	14.00	**16.32**	4.00	**4.55**	10.00	**9.55**	7.20
Stickell's Pure Soft Winter Flour Middlings	Chewsville	9.95	16.00	**19.22**	6.00	**6.16**	4.00	**4.00**	4.30
Stickell's Steam Cooked Chick Feed	Hagerstown	7.93	10.00	**11.06**	2.50	**3.53**	5.00	**2.25**	1.90
*Stickell's Stock Feed	Hancock	10.47	9.00	**9.30**	3.50	**2.54**	12.00	**11.40**	4.38
Su-Pur Pigeon Feed	Hagerstown	11.30	10.00	**16.02**	3.00	**3.45**	3.00	**2.83**	2.10
Su-Pur Scratch Grains	Greensboro	11.30	10.00	**11.32**	2.50	**2.77**	5.00	**2.87**	1.74
Victor Horse Feed	Hagerstown	9.10	6.00	**7.91**	2.00	**2.20**	10.00	**12.05**	6.01

* Means deficient in protein or fat.

Fibre Guaranteed	Fibre Found	Ash	Nitrogen Free Extract	Ingredients Guaranteed	Ingredients Identified
4.00	1.78	1.50	71.31	Corn, wheat, kaffir corn, millet	As certified
4.00	2.50	2.34	68.62	Corn, wheat, kaffir corn	As certified
7.00	4.83	8.65	53.17	Wheat, wheat middlings, corn meal, fish meal, meat meal, linseed meal, alfalfa meal, bone meal, powdered buttermilk, powdered milk. Ingredients differ from license	See below (A)
4.00	2.85	1.60	68.85	Corn, wheat, barley, oats, kaffir corn, buckwheat, ½ of 1% sunflower seed	See below (B) As certified
1.00	10.70	6.20	53.96		As certified
5.00	4.07	3.34	67.01		As certified
5.00	2.62	1.51	70.85	Whole wheat, cracked corn, buckwheat, kaffir corn, barley, sunflower seed	See below (A)
5.00	2.60	1.69	71.02	Same as above	See below (A)
5.00	2.40	1.41	71.36	Whole wheat, cracked corn, oats, buckwheat, kaffir corn, barley, sunflower seed	See below (A)
7.00	2.86	1.94	71.84	Chopped corn, crimped oats, corn bran, corn feed meal ½ of 1% salt	As certified
5.00	1.98	2.00	71.21	Oat meal, wheat, milo maize, kaffir corn, indian corn	As certified
5.00	1.78	1.80	70.33	Same as above	As certified
2.00	9.32	7.44	47.36	Linseed oil meal, cotton seed meal, corn gluten feed, wheat middlings, wheat bran, oat meal mill by-products (oat shorts, oat hulls, oat middlings), corn meal, hominy feed, calcium carbonate, salt	As certified
3.00	7.82	9.19	46.73	Buttermilk, oat meal, bone meal, wheat bran, wheat middlings, meat scraps, corn gluten feed, fish meal, cotton seed meal, salt, alfalfa meal, calcium carbonate. Ingredients differ from license	As certified
1.00	2.55	1.28	71.20	Wheat, buckwheat, barley, milo, indian corn, kaffir corn, sunflower seed	As certified
1.50	2.28	8.20	60.48	Buttermilk, oat meal, bone meal, wheat bran, wheat middlings, hominy feed, corn meal, CaCO3. Ingredients differ from license	As certified
4.00	5.43	9.20	47.50	Buttermilk, oat meal, meat scrap, bone meal, fish meal, wheat bran, wheat middlings, corn gluten feed, linseed meal, cotton seed meal, alfalfa meal, corn meal, CaCO3, salt	As certified
4.00	4.45	9.72	54.74	Buttermilk, oat meal, bone meal, meat scraps, wheat bran, linseed oil meal, wheat flour middlings, hominy feed, corn meal, CaCO3	As certified
4.00	4.08	10.15	55.58	Powdered buttermilk, digester tankage, flour middlings, corn feed meal, ground barley, ground oats, corn gluten feed, O. P. linseed oil meal. Ingredients differ from license	As certified
8.00	8.55	3.98	62.72	Alfalfa meal, corn, oats, molasses	As certified
9.00	9.72	5.73	59.88	Same as above	As certified
2.00	2.28	1.60	69.94	Oat groats, wheat, milo maize, indian corn, kaffir corn	As certified
8.00	8.65	7.51	44.09	Linseed oil meal, cotton seed meal,corn gluten feed, ground oats, ground barley, wheat bran, hominy feed, corn meal, wheat middlings, salt, CaCO3	See below (C)
2.00	2.57	1.52	71.55	Barley, milo maize, indian corn, kaffir corn, sunflower seed, wheat, buckwheat	As certified
3.00	3.20	1.70	70.75	Same as above	As certified
9.00	9.55	7.20	53.68		As certified
4.00	4.00	4.30	56.37		As certified
2.00	2.25	1.90	73.33	Oat meal, wheat, milo maize, indian corn, kaffir corn	As certified
11.00	11.40	4.38	61.91	Corn meal, hominy feed, barley, flour middlings, oat meal mill by products (oat middlings, oat hulls, oat shorts), CaCO3, salt	As certified
2.00	2.83	2.10	64.30	Wheat, buckwheat, Canadian field peas, hemp seed, oat meal, milo maize, kaffir corn	As certified
2.00	2.87	1.74	70.00	Barley, milo maize, indian corn, kaffir corn, sunflower seed, wheat, buckwheat	See below (D)
12.00	12.05	6.01	62.73	Corn, oats, reground oat feed, alfalfa, molasses, ½ of 1% salt. Ingredients differ from license	As certified

(A) Also detected milo maize.
(B) Also detected ground barley, ground oats, whole oats, buckwheat, screenings.
(C) Also detected buckwheat.
(D) Found oat groats and not oat meal.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	
D. A. Stickell & Sons, Inc., Hagerstown, Md.,—Cont.									
Victor Scratch Grains	Hancock	10.75	10.00	**10.53**	2.50	**2.75**	5.00	**2.57**	1.48
Victor Scratch Grains	Emmitsburg	10.70	10.00	**10.71**	2.50	**3.38**	5.00	**3.28**	1.90
Wheat Red Dog Flour	Hancock	10.92	17.00	**17.46**	4.00	**3.90**	4.00	**3.20**	2.77
Zip Dairy Feed	Hagerstown	8.13	16.00	**19.61**	4.50	**4.30**	14.00	**15.00**	6.80
F. W. Stock & Sons, Hillsdale, Mich.									
Middlings Made From Pure Wheat	Germantown	12.00	16.00	**16.94**	4.00	**3.65**	7.00	**5.27**	3.60
Stokes Milling Co., Watertown, S. D.									
Sunshine Standard Shorts with Screenings,	Cumberland	9.60	16.10	**16.67**	4.90	**5.70**	7.10	**7.70**	4.70
Sunshine Standard Wheat Bran, with Screenings	Aiken	10.05	14.10	**16.15**	4.50	**4.60**	12.30	**10.32**	6.30
Chas. M. Struven & Co., Baltimore, Md.									
Struven's Pure Ground Fish Meal	Frederick	9.62	55.00	**61.69**	4.00	**3.97**	2.00	**.60**	20.00
Struven's Pure Ground Fish Meal	Baltimore	6.82	55.00	**58.09**	4.00	**12.65**	2.00	**.90**	20.45
Struven's Pure Ground Fish Meal	Laurel	9.13	55.00	**59.15**	4.00	**8.89**	2.00	**.83**	19.50
Struven's Pure Ground Meat Scraps	Baltimore	8.12	50.00	**52.65**	5.00	**8.25**	5.00	**2.12**	28.06
Struven's Pure Ground Meat Scraps	Rising Sun	7.32	50.00	**54.63**	5.00	**9.77**	5.00	**1.80**	25.40
Suffolk Oil Mill, Inc., Suffolk, Va.									
Farm Boy Peanut Meal	Sparks	6.47	36.00	**39.27**	6.00	**8.22**	18.00	**8.40**	7.49
Peanut Meal	Forest Hill	7.07	41.00	**41.07**	6.00	**7.97**	15.00	**8.40**	6.62
Peanut Meal	White Hall	6.30	41.00	**41.51**	6.00	**6.85**	15.00	**3.88**	5.93
Peanut Meal	Baltimore	5.12	41.00	**41.24**	6.00	**7.37**	15.00	**4.29**	6.40
Peanut Meal	Baltimore	5.05	41.00	**43.00**	6.00	**7.58**	15.00	**5.43**	6.25
Swift & Co., Chicago, Ill.									
Swift's Gromeal for Hogs	Walkersville	7.12	50.00	**56.95**	3.00	**3.02**	5.00	**4.98**	23.32
Swift's Laymore Meat and Bone Scraps	Hagerstown	5.75	45.00	**45.54**	6.00	**13.05**	3.00	**2.15**	32.05
Swift's Poultry Bone Meal	Hagerstown	7.77	25.00	**28.43**	2.00	**2.85**	3.00	**.72**	57.74
N. & G. Taylor Co., Cumberland, Md.									
*Refuse Cleaning Material	Cumberland	4.57	16.00	**17.20**	9.50	**5.20**	15.00	**13.70**	4.12
Refuse Cleaning Material	Cumberland	4.80	16.00	**17.29**	9.50	**12.60**	15.00	**9.97**	3.78
*Refuse Cleaning Material	Cumberland	8.42	16.00	**14.39**	9.50	**11.57**	15.00	**15.65**	3.63
*Refuse Cleaning Material	Cumberland	7.15	14.00	**14.75**	9.50	**7.79**	9.00	**14.94**	7.07
Tennant & Hoyt Co., Lake City, Minn.									
Pure Flour Middlings	Oakland	10.67	16.50	**18.43**	5.00	**6.15**	5.25	**4.02**	3.89
Pure Wheat Red Dog	Oakland	10.52	17.00	**18.43**	3.70	**5.15**	2.50	**2.20**	3.43
Wheat Bran, with Ground Screenings N. Ex. M. R	Oakland	9.57	15.00	**15.62**	4.00	**5.60**	11.00	**9.37**	5.58
Thomas & Co., Frederick, Md.									
Thomas Dairy Feed	Frederick	10.75	16.50	**17.46**	2.00	**5.26**	13.00	**13.82**	8.20
Thomas Dairy Feed	Rocky Springs	8.48	16.50	**16.52**	2.00	**6.63**	13.00	**12.80**	8.00
*Thomas Dairy Feed	Frederick	10.92	16.50	**14.39**	2.00	**6.07**	13.00	**15.32**	7.38
*Thomas Dairy Feed	Frederick	11.25	16.50	**15.01**	2.00	**6.22**	13.00	**7.95**	6.95

* Means deficient in protein or fat.

FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS	
Guaranteed	FOUND			GUARANTEED	IDENTIFIED
5.00	2.57	1.48	71.92	Wheat, buckwheat, milo, indian corn, kaffir corn, sunflower seed, barley	See below (A)
5.00	3.28	1.90	70.03	Same as above	See below (A)
4.00	3.20	2.77	61.75		As certified
4.00	15.00	6.80	46.16	Wheat bran, wheat middlings, corn meal, hominy feed, cotton seed meal, corn gluten feed, linseed oil meal, oat meal mill by-products (oat middlings, oat hulls, oat shorts), salt, CaCO3	As certified
7.00	5.27	3.60	58.54		As certified
7.10	7.70	4.70	55.63	Hard wheat standard shorts and mill run clean ground wheat screenings	As certified
2.30	10.32	6.30	52.58	Hard wheat bran and mill run clean ground wheat screenings	As certified
2.00	.60	20.00	4.12		As certified
2.00	.90	20.45	7.09		As certified
2.00	.83	19.50	2.50		As certified
5.00	2.12	28.06	.80		As certified
5.00	1.80	25.40	1.08		As certified
8.00	8.40	7.49	30.15		As certified
5.00	8.40	6.62	28.87		As certified
5.00	3.88	5.93	35.53		As certified
5.00	4.29	6.40	35.58		As certified
5.00	5.43	6.25	32.69		As certified
5.00	4.98	23.32	4.61	Meat and bone residues	As certified
3.00	2.15	32.05	1.46		As certified
3.00	.72	57.74	2.49		As certified
5.00	13.70	4.12	55.21	Pure middlings and palm oil	See below (B)
5.00	9.97	3.78	51.56	Same as above	See below (B)
5.00	15.65	3.63	46.34	Same as above	See below (B)
9.00	14.94	7.07	48.30	Same as above	See below (B)
5.25	4.02	3.89	56.84		As certified
2.50	2.20	3.43	60.27		As certified
1.00	9.37	5.58	54.26		As certified
3.00	13.82	8.20	44.51	Cotton seed meal, cocoanut oil meal, cane molasses, corn gluten feed, brewers dried grains, O. P. oil meal, ground oats, reground grain screenings from wheat, ½ of 1 % CaCO3, ½% salt, reground oat feed. Ingredients differ from license	As certified
3.00	12.80	8.00	47.57	Cotton seed meal, ground screenings from wheat, O. P. linseed oil meal, oat meal mill by-products (oat hulls, oat middlings, oat shorts), whole bran, molasses, salt	See below (C)
3.00	15.32	7.38	45.92	Same as above	See below (D)
3.00	7.95	6.95	52.62	Same as above	See below (E)

(A) Also detected wheat screenings.
(B) Also detected peanut hulls.
(C) Unable to detect O. P. linseed oil meal, wheat bran and salt.
(D) Salt not identified.
(E) Linseed oil meal; salt not identified. Feed consists chiefly of oat feed and grain screenings; trace of wheat bran.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Thomas & Co., Frederick, Md.,—Cont.										
Thomas Dairy Feed	Union Bridge	10.06	16.50	**19.02**	3.00	**6.91**	10.00	**12.17**	8.21	4
Thomas Victory Feed	Union Bridge	9.66	24.00	**24.78**	4.00	**5.22**	10.00	**10.00**	6.19	4
Thomas Victory Feed	Frederick	11.16	24.00	**24.77**	3.00	**5.82**	10.0	**11.27**	6.65	1
Three Minute Cereal Co., Cedar Rapids, Iowa.										
Corno Feeding Oatmeal	Mt. Lake Park	8.87	14.00	**16.41**	5.00	**5.65**	3.90	**2.77**	2.71	6
Toledo Grain & Milling Co., Toledo, Ohio.										
Camp's Red Ball Chick Food	Friendsville	12.00	10.00	**11.14**	2.50	**2.62**	5.00	**1.67**	1.56	7
Camp's Red Ball Egg Mash	Friendsville	9.68	16.00	**16.94**	3.50	**3.80**	7.50	**7.35**	5.03	5
Camp's Standard Wheat Middlings	Friendsville	9.80	15.50	**16.67**	5.00	**4.75**	5.00	**7.06**	5.05	5
Camp's Surprise Chop Feed	Friendsville	9.35	8.00	**7.96**	2.50	**2.60**	12.00	**15.50**	4.20	6
Camp's Winter Wheat Bran	Friendsville	9.62	15.00	**15.45**	4.00	**4.75**	10.00	**8.75**	6.14	5
Clover Leaf Scratch Feed	Friendsville	11.45	10.00	**10.00**	2.50	**2.90**	5.00	**2.20**	1.55	7
No. 1 White Wheat Middlings	Friendsville	11.38	16.00	**16.23**	3.50	**3.88**	3.50	**3.15**	2.60	6
J. T. Towson & Son, Smithsburg, Md.										
Laying Mash	Smithsburg	8.65	20.00	**20.18**	4.00	**5.37**	9.00	**6.90**	11.56	4
Transit Milling Co., Cincinnati, Ohio.										
Derby Horse and Mule Feed	Baltimore	14.40	10.00	**9.26**	2.00	**2.48**	15.00	**12.12**	6.86	5
Ubiko Milling Co., Cincinnati, Ohio.										
Ubiko-32 Dairy Feed	Mt. Airy	8.20	32.00	**32.64**	5.50	**6.85**	10.00	**11.05**	8.51	32
Ubiko Egg Mash, with BM	Walkersville	10.20	20.00	**20.37**	4.00	**3.65**	6.00	**5.15**	11.25	49
Sunset Scratch Feed N. G	Gaithersburg	11.57	10.00	**11.32**	2.50	**3.70**	5.00	**2.57**	1.29	69
Union Grains Ubiko Biles Ready Dairy Ration	Mt. Airy	8.32	24.00	**24.39**	5.00	**5.02**	10.00	**9.95**	5.90	46
United Mills Corp., Grafton, Ohio.										
Grafton Wheat Bran, with Ground Screenings N. Ex. M. R	Silver Springs	10.92	15.00	**16.41**	4.00	**4.30**	10.00	**8.27**	6.51	53
Grafton Wheat Middlings, with Ground Screenings N. Ex. M. R	White Hall	11.27	16.50	**17.55**	5.00	**5.02**	7.50	**5.97**	4.85	55
Union Starch & Refining Co., Columbus, Ind.										
Union Corn Gluten Meal	Taneytown	7.68	40.00	**42.77**	1.00	**2.45**	4.00	**2.20**	2.55	42
Union Corn Gluten Feed	Hagerstown	10.00	23.00	**30.67**	2.00	**3.07**	8.00	**6.02**	5.43	44

(A)
(B)
(C)
(D)

FIBRE Guaranteed	FIBRE FOUND	Ash	Nitrogen Free Extract	INGREDIENTS GUARANTEED	INGREDIENTS IDENTIFIED
0.00	12.17	8.21	43.63	Cotton seed meal, cane molasses, cocoanut oil meal, corn gluten feed, brewers dried grains, oil meal, oat meal mill by-products (oat middlings, oat hulls, oat shorts,) reground grain screenings from wheat, CaCO3 salt. Ingredients differ from license	As certified
0.00	10.00	6.19	44.15	Wheat bran, wheat middlings, cocoanut oil meal, cotton seed meal, cane molasses, corn gluten feed, corn gluten meal, brewers dried grains, oil meal, ground oats, reground grain screenings from wheat, CaCO3, alfalfa meal, salt. Ingredients differ from license	As certified
0.0	11.27	6.65	50.33	Same as above	As certified
3.90	2.77	2.71	63.59		As certified
5.00	1.67	1.56	71.01	Cracked corn, cracked kaffir corn, cracked wheat, old style cut oat meal, millet seed, sprinkling of flaxseed	See below (A)
7.50	7.35	5.03	57.20	Wheat bran, corn meal, ground wheat middlings, gluten feed, alfalfa meal, meat scraps, linseed oil meal, charcoal, milk albumen, ½ of 1% salt. Ingredients differ from license	See below (B)
5.00	7.06	5.05	56.67		As certified
2.00	15.50	4.20	60.39	White or yellow corn, oats, corn meal by-products (fine meal and siftings), oat meal mill by-products (oat groats, oat middlings, and oat hulls), wheat middlings, ½ of 1% salt	As certified
0.00	8.75	6.14	55.29		As certified
5.00	2.20	1.55	71.90	Cracked corn, whole wheat, kaffir corn, barley, oats, buckwheat, sunflower seed	As certified
3.50	3.15	2.60	62.76		As certified
9.00	6.90	11.56	47.34	Meat scrap, gluten feed, corn feed meal, ground oats, bran, middlings, charcoal, limestone, salt, potassium iodide	As certified
5.00	12.12	6.86	54.88	Cracked corn, rolled oats, cotton seed meal, oat feed, oat screenings, alfalfa meal, molasses	See below (C)
0.00	11.05	8.51	32.75	Corn distillers grains, brewers grains, choice cotton seed meal, O. P. linseed meal, corn gluten feed, wheat bran, CaCO3, salt	As certified
6.00	5.15	11.25	49.51	Meat scrap, bone meal, corn meal, wheat bran, white wheat middlings, whole ground oats, corn gluten feed, O. P. linseed meal, dried buttermilk, ½% salt	As certified
5.00	2.57	1.29	69.55	Corn, wheat, barley, buckwheat, kaffir corn, sunflower seed	See below (D)
0.00	9.95	5.90	46.42	Corn distillers dried grains, cotton seed meal, O. P. linseed meal, white wheat middlings, winter wheat bran, hominy meal, corn gluten meal, brewers dried grains, ½ of 1% fine salt	As certified
0.00	8.27	6.51	53.59		As certified
7.50	5.97	4.85	55.34		As certified
4.00	2.20	2.55	42.35		As certified
8.00	6.02	5.43	44.81		As certified

(A) Also detected cracked milo maize.
(B) Also detected cornfeed meal; unable to detect wheat bran.
(C) Also detected viable weed seeds and trace of alfalfa and cotton seed meal.
(D) Also detected milo maize.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Unique Milling Co., Friendsville, Md.										
Buckwheat and Oat Chop	Friendsville	10.95	12.00	**12.02**	3.50	**3.13**	9.00	**8.15**	3.40	6
Pure Buckwheat Middlings	Friendsville	10.65	32.00	**31.59**	8.00	**8.45**	11.00	**7.65**	5.55	3
Pure Wheat Bran	Friendsville	8.95	15.50	**15.27**	4.00	**4.23**	10.00	**9.43**	6.00	5
Pure Wheat Middlings	Friendsville	11.18	17.00	**17.02**	4.50	**5.33**	5.00	**4.50**	3.30	5
*Pure Yellow Corn Meal	Friendsville	12.85	9.00	**9.13**	3.50	**2.55**	3.00	**2.25**	1.35	7
Van Iderstine Co., Long Island City, N. Y.										
Vico High Protein Meat Scrap for Poultry	Federalsburg	6.68	55.00	**54.85**	5.00	**11.30**	3.00	**3.68**	23.25	
Vico Quality Meat Scraps for Poultry	Baltimore	7.50	50.00	**50.55**	5.00	**11.75**	3.00	**2.00**	29.30	
Wabasha Roller Mill Co., Wabasha, Minn.										
Big Jo Wheat Flour Middlings	Frederick	11.43	18.30	**17.68**	5.50	**5.50**	3.50	**3.40**	2.80	5
J. E. Walter, Parkton, Md.										
Pure Wheat Bran	Parkton	11.58	15.00	**15.41**	3.00	**3.23**	6.50	**6.40**	4.85	5
Pure Wheat Middlings	Parkton	12.55	17.00	**17.72**	4.50	**4.65**	5.50	**5.28**	4.95	5
Washburn Crosby Co., Minneapolis, Minn.										
Eventually Gold Medal Chick Feed N. G	Fullerton	11.57	10.00	**11.50**	2.50	**2.05**	5.00	**1.65**	1.25	7
Eventually Gold Medal Chick Feed N. G	Cumberland	11.48	10.00	**10.40**	2.50	**2.08**	5.00	**1.78**	1.25	7
Eventually Gold Medal Developing Feed N. G	Fullerton	12.32	10.00	**11.23**	2.50	**2.53**	5.00	**2.40**	1.59	6
Eventually Gold Medal Growing Mash, with D. B. M	Cumberland	6.35	18.00	**17.99**	4.00	**5.27**	6.00	**6.20**	7.85	5
Eventually Gold Medal Hard Wheat Flour Middlings and Wheat Screenings	Salisbury	10.35	16.00	**17.02**	4.00	**5.37**	6.00	**6.12**	3.79	5
Eventually Gold Medal Hard Wheat Flour Middlings and Wheat Screenings	Owings Mills	10.28	16.00	**16.32**	4.00	**4.75**	6.00	**5.25**	3.50	5
Eventually Gold Medal Hard Wheat Bran and Wheat Screenings	Frederick	7.08	14.00	**16.50**	4.00	**4.68**	12.00	**10.85**	5.30	5
Eventually Gold Medal Hard Wheat Standard Middlings and Wheat Screenings	Laurel	11.68	15.00	**16.32**	4.00	**5.80**	9.50	**8.15**	4.75	5
Eventually Gold Medal Pure Hard Wheat Adrian Red Dog	Laurel	11.98	16.00	**16.23**	3.50	**3.90**	4.00	**1.88**	2.35	6
Eventually Gold Medal Scratch Feed N. G	Lutherville	11.18	10.00	**11.23**	3.00	**2.84**	4.00	**2.95**	1.74	7
Eventually Gold Medal Vitamin Dairy Ration 24%	Oakland	9.05	24.00	**25.89**	5.00	**5.72**	10.00	**8.62**	8.19	4
Eventually Gold Medal Vitamin Dairy Ration 24%	Oakland	9.00	24.00	**24.92**	5.00	**4.81**	10.00	**8.67**	8.68	4
Eventually Gold Medal Vitamin Dairy Ration—Containing Wheat Germ (Embryo)	Lutherville	8.38	20.00	**20.71**	5.00	**5.70**	8.50	**8.70**	8.30	4
Eventually Gold Medal Vitamin Egg Mash Containing Wheat Germ (Embryo)	Cumberland	9.95	20.00	**21.76**	5.50	**5.90**	8.50	**6.80**	9.61	4
North Star Scratch Feed N. G	Fullerton	12.60	10.00	**10.35**	2.50	**2.69**	5.00	**2.62**	1.43	7
Utility Chick Feed N. G	Lutherville	12.08	9.50	**10.35**	2.00	**2.30**	5.00	**1.63**	1.03	7

* Means deficient in protein or fat.

FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS	
Guaranteed	FOUND			GUARANTEED	IDENTIFIED
9.00	8.15	3.40	62.35		As certified
1.00	7.65	5.55	36.11		As certified
0.00	9.43	6.00	56.12		As certified
5.00	4.50	3.30	58.67		As certified
3.00	2.25	1.35	71.87		As certified
3.00	3.68	23.25	.24		As certified
3.00	2.00	29.30	.09		As certified
3.50	3.40	2.80	59.19		As certified
5.50	6.40	4.85	58.53		As certified
5.50	5.28	4.95	54.85		As certified
3.00	1.65	1.25	71.98	Cracked wheat, cracked corn, cracked kaffir, milo, hulled oats, millet	As certified
3.00	1.78	1.25	73.01	Same as above	As certified
3.00	2.40	1.59	69.93	Cracked corn, wheat, kaffir and milo, hulled oats, buckwheat, millet	As certified
5.00	6.20	7.85	56.34	Buttermilk, corn oil cake meal, oat flour, meat scrap, alfalfa meal, corn feed meal, wheat middlings, bone meal, CaCO3	As certified
5.00	6.12	3.79	57.35		As certified
5.00	5.25	3.50	59.90		As certified
1.00	10.85	5.30	55.59		As certified
9.50	8.15	4.75	53.30		As certified
4.00	1.88	2.35	63 66		As certified
4.00	2.95	1.74	70.06	Cracked corn, wheat, buckwheat, barley, 1% sunflower, kaffir, milo	As certified
9.00	8.62	8.19	42.53	Linseed oil meal, cotton seed meal, corn gluten feed, corn meal, ground oats, wheat bran, wheat standard middlings, calcium carbonate lime 1%, bone meal 1%, salt 1%	As certified
9.00	8.67	8.68	43.92	Linseed oil meal, cotton seed meal, corn gluten meal, ground oats, wheat bran, wheat middlings, calcium carbonate lime 1%, bone meal, 1% salt. Ingredients differ from license	As certified
8.50	8.70	8.30	48.21	Wheat germ (embryo), linseed oil meal, cotton seed meal, corn gluten feed, ground corn, ground oats, ground barley, wheat bran, wheat middlings, ground wheat screenings, wheat red dog, calcium carbonate lime 1%, salt 1%, bone meal 1%	As certified
8.50	6.80	9.61	45.98	Wheat germ (embryo), sifted meat scrap, corn gluten feed, linseed oil meal, alfalfa meal, corn feed meal, fine ground oat meal, wheat standard middlings, wheat red dog, fine ground bone meal, ½ of 1% calcium carbonate lime, ½ of 1% salt.	As certified
2.00	2.62	1.43	70.31	Cracked corn, buckwheat, wheat barley, sunflower ½ of 1%, kaffir, milo	As certified
2.00	1.63	1.03	72.61	Cracked wheat, cracked corn, cracked kaffir corn, millet, hulled oats	See below (A)

(A) Also detected cracked milo maize.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Watervale Roller Mills, Vale, Md.										
*Beshore 16% Dairy Feed	Vale	9.55	16.00	**14.57**	3.50	**3.82**	12.00	**12.25**	4.73	55
*Beshore 16% Dairy Feed	Vale	9.70	16.00	**14.13**	3.50	**4.25**	12.00	**8.07**	6.95	56
*Beshore 16% Dairy Feed	Vale	10.60	16.00	**14.92**	3.50	**4.03**	12.00	**8.68**	5.30	56
Pure Wheat Bran	Vale	8.92	14.00	**14.74**	3.50	**4.17**	9.00	**7.42**	4.75	60
Pure Wheat Bran	Vale	8.50	14.00	**14.74**	3.50	**3.90**	9.00	**8.45**	6.00	58
Pure Wheat Middlings	Vale	7.28	14.00	**13.60**	3.50	**3.54**	5.00	**3.13**	2.58	69
Pure Wheat Middlings	Vale	12.70	14.00	**13.03**	3.50	**3.15**	5.00	**2.90**	2.24	65
C. B. Watkins & Co., Baltimore, Md.										
Foxhall Hog Feed	Baltimore	11.47	15.25	**18.78**	2.98	**3.87**	7.33	**6.40**	7.76	51
*Foxhall Laying Mash	Baltimore	12.12	20.00	**20.88**	4.85	**3.90**	7.10	**10.07**	7.46	45
Peerless Chick Feed	Baltimore	12.05	10.25	**10.88**	2.50	**3.35**	5.00	**2.35**	1.99	69
Peerless Chick Feed	Baltimore	8.75	10.25	**12.10**	5.25	**6.91**	3.25	**3.25**	2.80	66
*Peerless Chick Mash	Baltimore	11.40	15.00	**14.57**	5.90	**4.75**	9.00	**9.05**	7.33	52
*Peerless Scratch Feed	Baltimore	12.17	10.00	**10.35**	4.25	**2.65**	2.75	**2.62**	1.57	70
Weber Milling Co., Toledo, Ohio.										
Erie Horse Feed	Baltimore	9.30	7.00	**7.10**	2.00	**2.02**	14.00	**10.28**	7.74	63
Flaked Corn and Oats Chop	Baltimore	12.45	10.00	**10.18**	4.00	**3.60**	9.00	**4.40**	1.75	67
Zambo Dairy Feed	Baltimore	8.09	24.00	**25.62**	4.00	**5.86**	10.00	**9.21**	7.44	43
Wells-Abbott-Nieman Co., Inc., Schuyler, Neb.										
Wheat Bran and Ground Wheat Screenings.	Cumberland	8.43	14.50	**15.15**	4.00	**4.63**	10.00	**8.93**	7.50	54
Richard C. Wells & Co., Baltimore, Md.										
P'D. By D. A. Stickell & Sons, Hagerstown, Md.										
Victor Scratch Grains	Baltimore	12.22	10.00	**10.62**	2.50	**3.37**	5.00	**2.80**	1.50	69
F. S. Wertz & Son, Reading, Pa.										
Faramel Horse Feed	Baltimore	10.33	9.00	**10.93**	4.00	**4.18**	6.00	**8.05**	4.20	62
Ontelaunee 24% Dairy Feed	Greensboro	9.83	24.00	**24.27**	4.00	**3.96**	11.00	**8.43**	7.01	46
†Wertz 16% Dairy Feed	Greensboro	10.40	16.00	**14.19**	7.00	**2.77**	4.00	**9.44**	12.03	51
Wertz Laying Mash, with Alfalfa	Greensboro	8.60	19.00	**20.18**	4.00	**4.97**	10.00	**10.70**	10.15	45
Wertz Mixed Grains for Poultry	Greensboro	10.87	10.00	**10.27**	3.00	**2.75**	4.00	**2.25**	1.54	72
Wertz Special Laying Mash	Greensboro	9.42	20.00	**19.83**	4.00	**5.60**	7.00	**6.40**	9.11	49
*Wertz 32% Supplement Dairy Feed	Greensboro	8.48	32.00	**31.10**	5.00	**4.48**	9.00	**7.20**	6.43	42
†Wertz Tulpehocken 20% Dairy Feed	Greensboro	10.60	20.00	**18.32**	4.00	**3.37**	10.00	**8.70**	7.48	51
West Bay City Sugar Co., Bay City, Mich.										
Dried Beet Pulp	Chestertown	9.40	8.00	**9.21**	.50	**.80**	20.00	**18.80**	3.24	58
Western Canada Flour Mills Co., LTD., Winnepeg, Canada.										
Pioneer Pure Wheat Bran	Rising Sun	8.53	15.00	**16.67**	3.50	**5.68**	11.50	**10.88**	5.15	53

* Means deficient in protein or fat.
† Means deficient in both protein and fat.

(A)
(B)
(C)
(D)

Fibre Guaranteed	Fibre Found	Ash	Nitrogen Free Extract	Ingredients Guaranteed	Identified
2.00	12.25	4.73	55.08	Bran middlings, oat feed, peanut meal, corn chop, corn bran, corn cob meal	As certified
2.00	8.07	6.95	56.90	Same as above	As certified
2.00	8.68	5.30	56.47	Same as above	As certified
9.00	7.42	4.75	60.00		As certified
9.00	8.45	6.00	58.41		As certified
5.00	3.13	2.58	69.87		As certified
5.00	2.90	2.24	65.98		As certified
7.33	6.40	7.76	51.72	Fish meal, pure corn chop, O. P. linseed meal, white wheat middlings, pure ground white oats, alfalfa flour, wheat bran, salt, charcoal, calcium phosphate, powdered sulphur	As certified
7.10	10.07	7.46	45.57	Pure yellow corn chop, white middlings, wheat bran, pure ground oats, alfalfa flour, 55% beef scrap, O. P. linseed meal, dried buttermilk, charcoal, salt	As certified
5.00	2.35	1.99	69.38	Cracked corn, cracked wheat, millet. Ingredients differ from license	As certified
3.25	3.25	2.80	66.19	Cracked corn, wheat, millet seed, kaffir corn	See below (A)
9.00	9.05	7.33	52.90	Bran, middlings, corn chop, fine ground oats, bone meal, buttermilk, lime, salt, linseed meal, alfalfa meal	As certified
2.75	2.62	1.57	70.64	Wheat, cracked corn, kaffir corn, barley, buckwheat, oats, sunflower seed	As certified
4.00	10.28	7.74	63.56	Cracked corn, oats, molasses, oat hulls, alfalfa meal, clipped oats by-products, ½ of 1% salt	As certified
9.00	4.40	1.75	67.62		As certified
0.00	9.21	7.44	43.78	Corn gluten feed, cotton seed meal, linseed oil meal, brewers dried grains, wheat bran, wheat middlings, molasses, ½% salt. Ingredients differ from license	As certified
0.00	8.93	7.50	54.36		As certified
5.00	2.80	1.50	69.49	Wheat, buckwheat, barley, indian corn, milo maize, kaffir corn, sunflower seed	As certified
5.00	8.05	4.20	62.31	Crushed oats, cracked corn, wheat bran, molasses	As certified
.00	8.43	7.01	46.50	Gluten feed, wheat bran, brewers grains, O. P. linseed oil meal, cotton seed meal, ground oats, alfalfa meal, buckwheat feed, cane molasses, CaCO3, oberco mineral mixture, ½% salt	As certified
.00	9.44	12.03	51.17	Gluten feed, O. P. linseed oil meal, wheat bran, ground grain screenings, cotton seed meal, cane molasses, ½% salt	See below (B)
0.00	10.70	10.15	45.40	Wheat bran, wheat middlings, gluten feed, corn feed meal, alfalfa flour, granulated meat, charcoal, salt	See below (C)
.00	2.25	1.54	72.32	Cracked corn, barley, kaffir corn, wheat, buckwheat, sunflower seed	See below (D)
.00	6.40	9.11	49.64	Gluten feed, wheat middlings, hominy, corn feed meal, fine ground oats, wheat bran, O. P. linseed oil meal, alfalfa leaf meal, buttermilk, fish scrap, meat scrap, CaCO3, salt, oberco mineral mixture	As certified
.00	7.20	6.43	42.31	Cotton seed meal, corn, gluten meal, O. P. linseed oil meal, wheat bran, wheat middlings, bone meal, buckwheat middlings, cane molasses, brewers dried grains, mineral, ½% salt	As certified
.00	8.70	7.48	51.53	Cotton seed meal, ground oats, buckwheat feed, hominy, wheat bran, O. P. linseed oil meal, alfalfa meal, gluten feed, corn feed meal, cane molasses, CaCO3, oberco, ½% salt	As certified
.00	18.80	3.24	58.55		As certified
.50	10.88	5.15	53.09		As certified

(A) Also detected grain screenings.
(B) Unable to detect cotton seed meal.
(C) Also detected linseed oil meal.
(D) Also detected milo maize.

Manufacturer, Address and Name of Feed	Sampled From	Moisture	Protein		Fat		Fibre	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND
Western Feed Mills, Inc., Chicago, Ill.								
Commercial Scratch Feed N. G.	Baltimore	11.67	9.00	**10.44**	2.50	**3.00**	6.00	**3.50**
Commercial Scratch Feed N. G.	Fullerton	10.62	9.00	**10.88**	2.50	**3.97**	6.00	**3.52**
Commercial Scratch Feed N. G.	Baltimore	9.40	9.00	**10.79**	2.50	**3.67**	6.00	**3.55**
Western Maryland Dairy, Baltimore, Md.								
Feed-O-Lac	Baltimore	8.09	10.00	**10.05**	.30	**.32**	.....	.....
Westover Mills, Westover, Md.								
Perfection Scratch Feed	Princess Anne	12.17	9.00	**10.71**	2.50	**2.75**	4.00	**2.32**
Pure Wheat Bran	Westover	10.25	14.00	**14.65**	3.50	**3.82**	10.00	**9.32**
*Pure Wheat Middlings	Westover	12.60	14.00	**13.86**	3.50	**2.70**	5.00	**2.70**
Wheeling Steel Corp., Wheeling, W. Va.								
Palm Oil Middlings	Cumberland	5.60	16.50	**16.94**	7.50	**7.20**	8.50	**7.42**
Palm Oil Middlings	Baltimore	8.45	16.50	**16.94**	7.50	**6.86**	8.50	**7.82**
Palm Oil Middlings	Cumberland	4.88	16.50	**17.11**	7.50	**7.50**	8.50	**7.78**
Wilkins-Rogers Milling Co., Inc., Washington, D. C.								
Corn Feed Meal	Hyattsville	12.15	10.00	**9.65**	3.70	**5.25**	3.00	**2.40**
Grassy Mead Dairy Feed	Monrovia	8.02	26.00	**25.67**	5.00	**5.12**	9.00	**9.58**
Grassy Mead Dairy Feed	Dickerson	9.60	26.00	**26.41**	5.00	**5.10**	9.00	**8.13**
Grassy Mead Dairy Feed	Monrovia	9.45	26.00	**25.01**	5.00	**5.33**	9.00	**10.67**
*Pure Wheat Bran	Bethesda	12.17	16.00	**14.61**	4.00	**4.47**	9.00	**8.95**
Pure Wheat Middlings	Hyattsville	12.57	15.50	**16.67**	4.00	**4.72**	7.00	**5.60**
Red Hen Baby Chick Feed	Berwyn	13.17	10.00	**11.50**	3.50	**3.75**	4.00	**1.75**
Red Hen Egg Mash	Monrovia	10.80	22.00	**23.52**	5.00	**5.90**	9.00	**6.90**
Red Hen Egg Mash	Berwyn	10.30	22.00	**24.66**	5.00	**6.03**	9.00	**5.38**
Red Hen Growing Mash	Monrovia	9.83	17.00	**18.60**	5.00	**5.85**	6.00	**5.38**
*Red Hen Scratch Feed	Berwyn	12.48	10.00	**9.61**	3.50	**2.90**	4.00	**2.55**
Red Raven 85 Horse Feed	Silver Springs	13.75	8.00	**10.40**	3.00	**3.64**	10.00	**7.16**
D. S. Weybright, Thurmont, Md.								
Weybright's Laying Mash	Thurmont	7.77	20.00	**22.59**	4.00	**5.01**	12.00	**4.66**
R. B. Wyand, Chewsville, Md.								
Thrivont Pig and Hog Meal	Chewsville	10.82	15.00	**15.97**	5.00	**4.65**	8.00	**7.62**
Thrivont Milk Maker	Chewsville	7.60	23.00	**22.82**	5.00	**4.52**	7.00	**8.27**
Thrivont Laying Mash	Chewsville	9.68	19.00	**20.97**	5.00	**5.70**	8.00	**8.20**
York Mill & Elevator Co., York, Pa.								
Wheat Middlings, with Ground Wheat Screenings N. Ex. M. R.	Manchester	11.17	17.50	**16.59**	5.00	**4.70**	6.46	**5.30**
Wheat Middlings, with Ground Wheat Screenings N. Ex. M. R.	Monkton	12.12	17.50	**17.46**	5.00	**4.71**	6.46	**6.20**

* Means deficient in protein or fat.

Ash	Nitrogen Free Extract	INGREDIENTS — GUARANTEED	IDENTIFIED
2.28	69.11	Coarse cracked corn, wheat, milo, barley, oats, buckwheat, sunflower seed, wheat screenings	
1.70	69.31	Same as above	See below (A)
1.77	70.82	Same as above	See below (A)
			See below (A)
1.96	.....	.....	
2.80	69.25	Cracked corn, kaffir corn, wheat,oats, buckwheat, recleaned grain screenings from wheat. Ingredients differ from license	
5.13	56.83	.....	See below (B)
2.63	65.51	.....	As certified
			As certified
5.55	57.29	Pure wheat and rye middlings and palm oil	
5.07	54.86	Same as above	As certified
5.30	57.43	Same as above	See below (C)
			See below (D)
1.73	68.82	.....	
6.51	45.10	Dried beet pulp, wheat bran, corn gluten feed, corn chop, oat shorts, cotton seed meal, peanut meal, linseed meal, 1% salt, CaCO3. Ingredients differ from license	As certified
5.75	45.01	Wheat bran, corn feed meal, corn gluten feed, oat shorts, peanut cake meal, cotton seed meal, O. P. linseed oil meal, dried beet pulp, CaCO3, 1% salt	As certified
6.00	43.54	Same as above	As certified
4.93	54.87	.....	As certified
4.61	55.83	.....	As certified
1.81	68.02	Cracked wheat, millet, corn	As certified
8.50	44.38	Peanut meal, meat meal, fish meal, alfalfa meal, corn meal, wheat bran, wheat middlings, O. P. linseed oil meal, ground oats, gluten, ½ of 1% salt. Ingredients differ from license	See below (E)
9.20	44.43	Peanut meal, meat meal, fish meal, alfalfa meal, corn meal, wheat bran, wheat middlings, O. P. linseed oil meal, ground oats, gluten, ½ of 1% salt, CaCO3. Ingredients differ from license	As certified
5.60	54.74	Oat middlings, pure bran, corn meal, pure wheat middlings, meat meal	As certified
1.15	71.31	Cracked corn, wheat, milo maize, kaffir corn, barley, buckwheat, sunflower seed	As certified
3.79	61.26	Cracked corn, crimped oats, alfalfa meal, cane molasses, ½% salt	As certified
9.15	50.82	Pure wheat bran, pure wheat middlings, ground oats, beef scraps, fish meal, ground corn, gluten, powdered buttermilk, ½ of 1%salt	As certified
8.56	52.38	Wheat middlings, wheat bran, corn meal, alfalfa meal, O. P. oil meal, meat meal, fish meal, salt, charcoal	As certified
9.66	47.13	O. P. oil meal, cotton seed meal, gluten feed, wheat bran, wheat middlings, malt sprouts, corn meal, hominy feed, bone meal, bone charcoal, CaCO3, potassium iodide, salt. Ingredients differ from license	As certified
9.80	45.65	Wheat bran, wheat middlings, beef scrap, corn meal, gluten, oil meal, alfalfa meal, ground oats, charcoal, salt. Ingredients differ from license	As certified
4.39	57.85	.....	As certified
5.10	54.41	.....	As certified

(A) Also detected kaffir corn.
(B) Kaffir not detected.
(C) Detected wheat middlings with screenings.
(D) Also detected grain screenings.
(E) Also detected cracked milo maize.